

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-130356-1
Client Project/Site: GKM - Region 8 (LTM)

For:
Weston Solutions, Inc.
1435 Garrison Street
Suite 100
Lakewood, Colorado 80215

Attn: Jeff Bryniarski



Authorized for release by:
10/19/2016 5:29:02 PM

Sheila Hoffman, Project Manager II
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Method Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL SAV
2340B-2011	Total Hardness (as CaCO3) by calculation	SM	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
7471A	Mercury (CVAA)	SW846	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
2540 D-2011	Total Suspended Solids (Dried at 103-105°C)	SM	TAL SAV
5310 B-2011	Organic Carbon, Dissolved (DOC)	SM	TAL SAV
5310 B-2011	Organic Carbon, Total (TOC)	SM	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-130356-1	SJAR_092716	Water	09/27/16 11:05	09/30/16 09:01
680-130356-2	SJAR_SED_092716	Solid	09/27/16 11:05	09/30/16 09:01
680-130356-3	SJFP_092816	Water	09/28/16 10:50	09/30/16 09:01
680-130356-4	SJFP_SED_092816	Solid	09/28/16 10:50	09/30/16 09:01
680-130356-5	SJLP_092716	Water	09/27/16 15:45	09/30/16 09:01
680-130356-6	SJLP_SED_092716	Solid	09/27/16 15:45	09/30/16 09:01
680-130356-7	SJSR_092816	Water	09/28/16 14:15	09/30/16 09:01
680-130356-8	SJSR_SED_092816	Solid	09/28/16 14:15	09/30/16 09:01
680-130356-9	9426_092916	Water	09/29/16 13:25	09/30/16 09:01
680-130356-10	9426_SED_092916	Solid	09/29/16 13:25	09/30/16 09:01
680-130356-11	Bakers Bridge_092916	Water	09/29/16 08:15	09/30/16 09:01
680-130356-12	Bakers Bridge_SED_092916	Solid	09/29/16 08:15	09/30/16 09:01

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Job ID: 680-130356-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: GKM - Region 8 (LTM)

Report Number: 680-130356-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 09/30/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7° C, 3.8° C and 5.7° C.

DISSOLVED METALS (ICP)

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/05/2016 and analyzed on 10/10/2016.

Calcium, Dissolved failed the recovery criteria low for the MSD of sample Bakers Bridge_092916MSD (680-130356-11) in batch 680-452651.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for total metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/05/2016 and analyzed on 10/10/2016.

Calcium was detected in method blank MB 680-452471/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Calcium failed the recovery criteria low for the MS of sample Bakers Bridge_092916MS (680-130356-11) in batch 680-452651.

Calcium failed the recovery criteria high for the MSD of sample Bakers Bridge_092916MSD (680-130356-11) in batch 680-452651.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7), 9426_092916 (680-130356-9) and Bakers Bridge_092916 (680-130356-11) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/05/2016 and 10/11/2016 and analyzed on 10/10/2016, 10/11/2016 and

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Job ID: 680-130356-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

10/13/2016.

Zinc, Dissolved failed the recovery criteria high for the MS of sample Bakers Bridge_092916MS (680-130356-11) in batch 680-452629.

Zinc, Dissolved failed the recovery criteria high for the MSD of sample Bakers Bridge_092916MSD (680-130356-11) in batch 680-452629.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for total metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/05/2016 and analyzed on 10/10/2016 and 10/11/2016.

Vanadium, Dissolved was detected in method blank MB 680-452476/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Zinc failed the recovery criteria low for the MS of sample Bakers Bridge_092916MS (680-130356-11) in batch 680-452629.

Zinc failed the recovery criteria low for the MSD of sample Bakers Bridge_092916MSD (680-130356-11) in batch 680-452629.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY (CVAA)

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for dissolved mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared on 10/05/2016 and analyzed on 10/10/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 10/05/2016 and analyzed on 10/10/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP)

Samples SJAR_SED_092716 (680-130356-2), SJFP_SED_092816 (680-130356-4), SJLP_SED_092716 (680-130356-6), SJSR_SED_092816 (680-130356-8), 9426_SED_092916 (680-130356-10) and Bakers Bridge_SED_092916 (680-130356-12) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/03/2016 and analyzed on 10/04/2016 and 10/05/2016.

Calcium failed the recovery criteria low for the MS of sample Bakers Bridge_SED_092916MS (680-130356-12) in batch 680-452557. Aluminum, Iron and Magnesium failed the recovery criteria high.

Aluminum and Calcium failed the recovery criteria low for the MSD of sample Bakers Bridge_SED_092916MSD (680-130356-12) in batch 680-452557. Iron failed the recovery criteria high.

Case Narrative

Client: Weston Solutions, Inc.
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TestAmerica Job ID: 680-130356-1

Job ID: 680-130356-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Refer to the QC report for details.

Sample Bakers Bridge_SED_092916 (680-130356-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICPMS)

Samples SJAR_SED_092716 (680-130356-2), SJFP_SED_092816 (680-130356-4), SJLP_SED_092716 (680-130356-6), SJSR_SED_092816 (680-130356-8), 9426_SED_092916 (680-130356-10) and Bakers Bridge_SED_092916 (680-130356-12) were analyzed for metals (ICPMS) in accordance with EPA SW-846 Methods 6020A. The samples were prepared on 10/03/2016 and analyzed on 10/04/2016.

Chromium, Manganese and Silver were detected in method blank MB 680-452043/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Zinc failed the recovery criteria low for the MS of sample Bakers Bridge_SED_092916MS (680-130356-12) in batch 680-452211. Several analytes failed the recovery criteria high.

For the MSD of sample Bakers Bridge_SED_092916MSD (680-130356-12) in batch 680-452211, Manganese failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, Manganese exceeded the RPD limit.

Refer to the QC report for details.

Sample Bakers Bridge_SED_092916 (680-130356-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples SJAR_SED_092716 (680-130356-2), SJFP_SED_092816 (680-130356-4), SJLP_SED_092716 (680-130356-6), SJSR_SED_092816 (680-130356-8), 9426_SED_092916 (680-130356-10) and Bakers Bridge_SED_092916 (680-130356-12) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 10/03/2016 and analyzed on 10/04/2016.

Mercury failed the recovery criteria high for the MS of sample Bakers Bridge_SED_092916MS (680-130356-12) in batch 680-452279.

Mercury failed the recovery criteria high for the MSD of sample Bakers Bridge_SED_092916MSD (680-130356-12) in batch 680-452279.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ALKALINITY

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 10/03/2016 and 10/04/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SUSPENDED SOLIDS

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for total suspended solids in accordance with SM 2540D. The samples were

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Job ID: 680-130356-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

analyzed on 10/03/2016 and 10/05/2016.

Total Suspended Solids exceeded the RPD limit for the duplicate of sample Bakers Bridge_092916DU (680-130356-11). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SJAR_SED_092716 (680-130356-2), SJFP_SED_092816 (680-130356-4), SJLP_SED_092716 (680-130356-6), SJSR_SED_092816 (680-130356-8), 9426_SED_092916 (680-130356-10) and Bakers Bridge_SED_092916 (680-130356-12) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 10/01/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL HARDNESS (AS CaCO3) BY CALCULATION

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for total hardness (as CaCO₃) by calculation in accordance with SM 2340B. The samples were analyzed on 10/11/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED ORGANIC CARBON

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for dissolved organic carbon in accordance with SM 5310B. The samples were analyzed on 10/01/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL ORGANIC CARBON

Samples SJAR_092716 (680-130356-1), SJFP_092816 (680-130356-3), SJLP_092716 (680-130356-5), SJSR_092816 (680-130356-7) and Bakers Bridge_092916 (680-130356-11) were analyzed for total organic carbon in accordance with SM 5310B. The samples were analyzed on 10/01/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJAR_092716

Lab Sample ID: 680-130356-1

Date Collected: 09/27/16 11:05

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5500		200	24	ug/L		10/05/16 16:11	10/10/16 17:09	1
Calcium	49000	B	500	25	ug/L		10/05/16 16:11	10/10/16 17:09	1
Iron	4400		50	17	ug/L		10/05/16 16:11	10/10/16 17:09	1
Magnesium	8200		500	33	ug/L		10/05/16 16:11	10/10/16 17:09	1
Potassium	3700		1000	17	ug/L		10/05/16 16:11	10/10/16 17:09	1
Sodium	28000		1000	480	ug/L		10/05/16 16:11	10/10/16 17:09	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		10/05/16 16:11	10/10/16 14:57	1
Calcium, Dissolved	45000		500	25	ug/L		10/05/16 16:11	10/10/16 14:57	1
Iron, Dissolved	17	U	50	17	ug/L		10/05/16 16:11	10/10/16 14:57	1
Magnesium, Dissolved	6900		500	33	ug/L		10/05/16 16:11	10/10/16 14:57	1
Potassium, Dissolved	2400		1000	17	ug/L		10/05/16 16:11	10/10/16 14:57	1
Sodium, Dissolved	28000		1000	480	ug/L		10/05/16 16:11	10/10/16 14:57	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:27	1
Arsenic	1.1		1.0	0.37	ug/L		10/05/16 16:11	10/10/16 22:27	1
Barium	130		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 22:27	1
Beryllium	0.28	J	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 22:27	1
Cadmium	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 15:53	1
Chromium	2.8		2.0	1.0	ug/L		10/05/16 16:11	10/10/16 22:27	1
Cobalt	2.3		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 22:27	1
Copper	5.6		5.0	0.50	ug/L		10/05/16 16:11	10/10/16 22:27	1
Lead	3.1		0.30	0.060	ug/L		10/05/16 16:11	10/10/16 22:27	1
Manganese	100		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 22:27	1
Molybdenum	1.2		1.0	0.45	ug/L		10/05/16 16:11	10/11/16 15:53	1
Nickel	4.7	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:27	1
Selenium	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 22:27	1
Silver	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 22:27	1
Thallium	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 22:27	1
Vanadium	8.3		1.0	0.30	ug/L		10/05/16 16:11	10/10/16 22:27	1
Zinc	14	J	20	2.8	ug/L		10/05/16 16:11	10/10/16 22:27	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	7.8	J	10	4.6	ug/L		10/05/16 16:11	10/10/16 20:25	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:25	1
Arsenic, Dissolved	0.52	J	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 20:25	1
Barium, Dissolved	65		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 20:25	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 20:25	1
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 14:03	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 20:25	1
Cobalt, Dissolved	0.44		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 20:25	1
Copper, Dissolved	1.1	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 20:25	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 20:25	1
Manganese, Dissolved	5.4		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 20:25	1
Molybdenum, Dissolved	1.2		1.0	0.45	ug/L		10/05/16 16:11	10/10/16 20:25	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJAR_092716

Lab Sample ID: 680-130356-1

Date Collected: 09/27/16 11:05

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel, Dissolved	2.1	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:25	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 20:25	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 20:25	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 20:25	1
Vanadium, Dissolved	1.1	B	1.0	0.30	ug/L		10/05/16 16:11	10/11/16 14:03	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		10/05/16 16:11	10/10/16 20:25	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	160		3.3	3.3	mg/L			10/11/16 11:54	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:15	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.0		1.0	0.50	mg/L			10/01/16 02:15	1
Alkalinity	90		5.0	5.0	mg/L			10/03/16 16:35	1
Total Suspended Solids	210		6.7	6.7	mg/L			10/03/16 08:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	4.5		1.0	0.50	mg/L			10/01/16 09:45	1

Client Sample ID: SJAR_SED_092716

Lab Sample ID: 680-130356-2

Date Collected: 09/27/16 11:05

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 80.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000		22	3.4	mg/Kg	☼	10/03/16 07:15	10/04/16 22:55	1
Calcium	5100		55	5.8	mg/Kg	☼	10/03/16 07:15	10/04/16 22:55	1
Iron	10000		22	5.9	mg/Kg	☼	10/03/16 07:15	10/04/16 22:55	1
Magnesium	2000		55	9.8	mg/Kg	☼	10/03/16 07:15	10/04/16 22:55	1
Potassium	1300		110	2.8	mg/Kg	☼	10/03/16 07:15	10/04/16 22:55	1
Sodium	430		220	53	mg/Kg	☼	10/03/16 07:15	10/04/16 22:55	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.11	U	1.1	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Arsenic	4.0		0.33	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Barium	190		0.55	0.066	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Beryllium	0.69		0.055	0.017	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Cadmium	0.063		0.055	0.017	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Chromium	7.3	B	1.1	0.12	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJAR_SED_092716

Lab Sample ID: 680-130356-2

Date Collected: 09/27/16 11:05

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 80.0

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.8		0.055	0.011	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Copper	10		0.55	0.14	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Lead	8.0		0.22	0.055	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Manganese	290	B	1.1	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Molybdenum	0.52	J	1.1	0.088	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Nickel	7.9		1.1	0.29	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Selenium	4.6		0.55	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Silver	0.030	J B	0.11	0.011	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Thallium	0.14		0.11	0.055	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Vanadium	17		0.55	0.30	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1
Zinc	28		2.2	1.1	mg/Kg	☼	10/03/16 11:40	10/04/16 09:03	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0096	U	0.024	0.0096	mg/Kg	☼	10/03/16 12:38	10/04/16 13:40	1

Client Sample ID: SJFP_092816

Lab Sample ID: 680-130356-3

Date Collected: 09/28/16 10:50

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2800		200	24	ug/L		10/05/16 16:11	10/10/16 17:13	1
Calcium	67000	B	500	25	ug/L		10/05/16 16:11	10/10/16 17:13	1
Iron	2100		50	17	ug/L		10/05/16 16:11	10/10/16 17:13	1
Magnesium	11000		500	33	ug/L		10/05/16 16:11	10/10/16 17:13	1
Potassium	3500		1000	17	ug/L		10/05/16 16:11	10/10/16 17:13	1
Sodium	28000		1000	480	ug/L		10/05/16 16:11	10/10/16 17:13	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		10/05/16 16:11	10/10/16 15:02	1
Calcium, Dissolved	67000		500	25	ug/L		10/05/16 16:11	10/10/16 15:02	1
Iron, Dissolved	17	U	50	17	ug/L		10/05/16 16:11	10/10/16 15:02	1
Magnesium, Dissolved	11000		500	33	ug/L		10/05/16 16:11	10/10/16 15:02	1
Potassium, Dissolved	3100		1000	17	ug/L		10/05/16 16:11	10/10/16 15:02	1
Sodium, Dissolved	29000		1000	480	ug/L		10/05/16 16:11	10/10/16 15:02	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:31	1
Arsenic	0.88	J	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 22:31	1
Barium	100		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 22:31	1
Beryllium	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 22:31	1
Cadmium	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 15:58	1
Chromium	1.1	J	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 22:31	1
Cobalt	1.3		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 22:31	1
Copper	3.7	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 22:31	1
Lead	2.5		0.30	0.060	ug/L		10/05/16 16:11	10/10/16 22:31	1
Manganese	95		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 22:31	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJFP_092816

Lab Sample ID: 680-130356-3

Date Collected: 09/28/16 10:50

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.8 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	1.3		1.0	0.45	ug/L		10/05/16 16:11	10/11/16 15:58	1
Nickel	3.7	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:31	1
Selenium	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 22:31	1
Silver	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 22:31	1
Thallium	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 22:31	1
Vanadium	4.6		1.0	0.30	ug/L		10/05/16 16:11	10/10/16 22:31	1
Zinc	15	J	20	2.8	ug/L		10/05/16 16:11	10/10/16 22:31	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	9.8	J	10	4.6	ug/L		10/05/16 16:11	10/10/16 20:29	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:29	1
Arsenic, Dissolved	0.60	J	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 20:29	1
Barium, Dissolved	82		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 20:29	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 20:29	1
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 14:07	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 20:29	1
Cobalt, Dissolved	0.74		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 20:29	1
Copper, Dissolved	1.3	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 20:29	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 20:29	1
Manganese, Dissolved	21		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 20:29	1
Molybdenum, Dissolved	1.5		1.0	0.45	ug/L		10/05/16 16:11	10/10/16 20:29	1
Nickel, Dissolved	3.0	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:29	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 20:29	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 20:29	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 20:29	1
Vanadium, Dissolved	0.80	J B	1.0	0.30	ug/L		10/05/16 16:11	10/11/16 14:07	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		10/05/16 16:11	10/10/16 20:29	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	210		3.3	3.3	mg/L			10/11/16 11:54	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:19	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.9		1.0	0.50	mg/L			10/01/16 02:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L			10/03/16 16:42	1
Total Suspended Solids	92		5.6	5.6	mg/L			10/03/16 08:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	4.2		1.0	0.50	mg/L			10/01/16 09:59	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJFP_SED_092816

Lab Sample ID: 680-130356-4

Date Collected: 09/28/16 10:50

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 66.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		26	4.1	mg/Kg	☼	10/03/16 07:15	10/04/16 23:00	1
Calcium	8200		65	6.8	mg/Kg	☼	10/03/16 07:15	10/04/16 23:00	1
Iron	13000		26	6.9	mg/Kg	☼	10/03/16 07:15	10/04/16 23:00	1
Magnesium	2700		65	12	mg/Kg	☼	10/03/16 07:15	10/04/16 23:00	1
Potassium	1600		130	3.3	mg/Kg	☼	10/03/16 07:15	10/04/16 23:00	1
Sodium	340		260	63	mg/Kg	☼	10/03/16 07:15	10/04/16 23:00	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.13	U	1.3	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Arsenic	5.4		0.39	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Barium	240		0.65	0.078	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Beryllium	0.89		0.065	0.020	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Cadmium	0.15		0.065	0.020	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Chromium	9.1	B	1.3	0.14	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Cobalt	7.4		0.065	0.013	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Copper	15		0.65	0.17	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Lead	13		0.26	0.065	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Manganese	410	B	1.3	0.16	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Molybdenum	0.86	J	1.3	0.10	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Nickel	9.7		1.3	0.34	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Selenium	5.6		0.65	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Silver	0.064	J B	0.13	0.013	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Thallium	0.18		0.13	0.065	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Vanadium	22		0.65	0.35	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1
Zinc	56		2.6	1.3	mg/Kg	☼	10/03/16 11:40	10/04/16 09:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	U	0.026	0.011	mg/Kg	☼	10/03/16 12:38	10/04/16 13:45	1

Client Sample ID: SJLP_092716

Lab Sample ID: 680-130356-5

Date Collected: 09/27/16 15:45

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3000		200	24	ug/L		10/05/16 16:11	10/10/16 17:17	1
Calcium	60000	B	500	25	ug/L		10/05/16 16:11	10/10/16 17:17	1
Iron	2300		50	17	ug/L		10/05/16 16:11	10/10/16 17:17	1
Magnesium	9100		500	33	ug/L		10/05/16 16:11	10/10/16 17:17	1
Potassium	3200		1000	17	ug/L		10/05/16 16:11	10/10/16 17:17	1
Sodium	23000		1000	480	ug/L		10/05/16 16:11	10/10/16 17:17	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		10/05/16 16:11	10/10/16 15:07	1
Calcium, Dissolved	60000		500	25	ug/L		10/05/16 16:11	10/10/16 15:07	1
Iron, Dissolved	17	U	50	17	ug/L		10/05/16 16:11	10/10/16 15:07	1
Magnesium, Dissolved	8700		500	33	ug/L		10/05/16 16:11	10/10/16 15:07	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJLP_092716

Lab Sample ID: 680-130356-5

Date Collected: 09/27/16 15:45

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	2700		1000	17	ug/L		10/05/16 16:11	10/10/16 15:07	1
Sodium, Dissolved	24000		1000	480	ug/L		10/05/16 16:11	10/10/16 15:07	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:35	1
Arsenic	0.78	J	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 22:35	1
Barium	100		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 22:35	1
Beryllium	0.15	J	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 22:35	1
Cadmium	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 16:01	1
Chromium	1.3	J	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 22:35	1
Cobalt	1.4		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 22:35	1
Copper	3.9	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 22:35	1
Lead	2.9		0.30	0.060	ug/L		10/05/16 16:11	10/10/16 22:35	1
Manganese	99		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 22:35	1
Molybdenum	1.2		1.0	0.45	ug/L		10/05/16 16:11	10/11/16 16:01	1
Nickel	3.6	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:35	1
Selenium	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 22:35	1
Silver	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 22:35	1
Thallium	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 22:35	1
Vanadium	4.7		1.0	0.30	ug/L		10/05/16 16:11	10/10/16 22:35	1
Zinc	19	J	20	2.8	ug/L		10/05/16 16:11	10/10/16 22:35	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	16		10	4.6	ug/L		10/05/16 16:11	10/10/16 20:33	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:33	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 20:33	1
Barium, Dissolved	78		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 20:33	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 20:33	1
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 14:10	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 20:33	1
Cobalt, Dissolved	0.68		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 20:33	1
Copper, Dissolved	1.2	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 20:33	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 20:33	1
Manganese, Dissolved	16		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 20:33	1
Molybdenum, Dissolved	1.3		1.0	0.45	ug/L		10/05/16 16:11	10/10/16 20:33	1
Nickel, Dissolved	2.6	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:33	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 20:33	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 20:33	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 20:33	1
Vanadium, Dissolved	0.67	J B	1.0	0.30	ug/L		10/05/16 16:11	10/11/16 14:10	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		10/05/16 16:11	10/10/16 20:33	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	190		3.3	3.3	mg/L			10/11/16 11:54	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJLP_092716

Lab Sample ID: 680-130356-5

Date Collected: 09/27/16 15:45

Matrix: Water

Date Received: 09/30/16 09:01

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:24	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.3		1.0	0.50	mg/L			10/01/16 02:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	100		5.0	5.0	mg/L			10/03/16 16:49	1
Total Suspended Solids	150		7.1	7.1	mg/L			10/03/16 08:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	3.0		1.0	0.50	mg/L			10/01/16 10:16	1

Client Sample ID: SJLP_SED_092716

Lab Sample ID: 680-130356-6

Date Collected: 09/27/16 15:45

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 75.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5100		22	3.5	mg/Kg	☼	10/03/16 07:15	10/04/16 22:39	1
Calcium	4000		56	5.8	mg/Kg	☼	10/03/16 07:15	10/04/16 22:39	1
Iron	8700		22	5.9	mg/Kg	☼	10/03/16 07:15	10/04/16 22:39	1
Magnesium	1500		56	9.9	mg/Kg	☼	10/03/16 07:15	10/04/16 22:39	1
Potassium	960		110	2.8	mg/Kg	☼	10/03/16 07:15	10/04/16 22:39	1
Sodium	230		220	54	mg/Kg	☼	10/03/16 07:15	10/04/16 22:39	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.12	J	1.1	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Arsenic	3.4		0.33	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Barium	220		0.56	0.067	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Beryllium	0.47		0.056	0.017	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Cadmium	0.059		0.056	0.017	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Chromium	5.3	B	1.1	0.12	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Cobalt	4.3		0.056	0.011	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Copper	6.7		0.56	0.15	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Lead	6.9		0.22	0.056	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Manganese	260	B	1.1	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Molybdenum	0.80	J	1.1	0.089	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Nickel	5.2		1.1	0.29	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Selenium	4.0		0.56	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Silver	0.030	J B	0.11	0.011	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Thallium	0.088	J	0.11	0.056	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Vanadium	14		0.56	0.30	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1
Zinc	25		2.2	1.1	mg/Kg	☼	10/03/16 11:40	10/04/16 08:37	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJLP_SED_092716

Lab Sample ID: 680-130356-6

Date Collected: 09/27/16 15:45

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 75.9

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0096	U	0.024	0.0096	mg/Kg	☼	10/03/16 12:38	10/04/16 13:49	1

Client Sample ID: SJSR_092816

Lab Sample ID: 680-130356-7

Date Collected: 09/28/16 14:15

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3600		200	24	ug/L		10/05/16 16:11	10/10/16 17:22	1
Calcium	69000	B	500	25	ug/L		10/05/16 16:11	10/10/16 17:22	1
Iron	2900		50	17	ug/L		10/05/16 16:11	10/10/16 17:22	1
Magnesium	11000		500	33	ug/L		10/05/16 16:11	10/10/16 17:22	1
Potassium	3700		1000	17	ug/L		10/05/16 16:11	10/10/16 17:22	1
Sodium	28000		1000	480	ug/L		10/05/16 16:11	10/10/16 17:22	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		10/05/16 16:11	10/10/16 15:12	1
Calcium, Dissolved	63000		500	25	ug/L		10/05/16 16:11	10/10/16 15:12	1
Iron, Dissolved	17	U	50	17	ug/L		10/05/16 16:11	10/10/16 15:12	1
Magnesium, Dissolved	9700		500	33	ug/L		10/05/16 16:11	10/10/16 15:12	1
Potassium, Dissolved	2700		1000	17	ug/L		10/05/16 16:11	10/10/16 15:12	1
Sodium, Dissolved	27000		1000	480	ug/L		10/05/16 16:11	10/10/16 15:12	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:39	1
Arsenic	1.0		1.0	0.37	ug/L		10/05/16 16:11	10/10/16 22:39	1
Barium	120		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 22:39	1
Beryllium	0.17	J	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 22:39	1
Cadmium	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 16:05	1
Chromium	1.7	J	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 22:39	1
Cobalt	1.6		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 22:39	1
Copper	4.5	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 22:39	1
Lead	3.5		0.30	0.060	ug/L		10/05/16 16:11	10/10/16 22:39	1
Manganese	110		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 22:39	1
Molybdenum	1.4		1.0	0.45	ug/L		10/05/16 16:11	10/11/16 16:05	1
Nickel	4.2	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:39	1
Selenium	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 22:39	1
Silver	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 22:39	1
Thallium	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 22:39	1
Vanadium	6.0		1.0	0.30	ug/L		10/05/16 16:11	10/10/16 22:39	1
Zinc	20		20	2.8	ug/L		10/05/16 16:11	10/10/16 22:39	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	11		10	4.6	ug/L		10/05/16 16:11	10/10/16 20:37	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:37	1
Arsenic, Dissolved	0.43	J	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 20:37	1
Barium, Dissolved	81		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 20:37	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJSR_092816

Lab Sample ID: 680-130356-7

Date Collected: 09/28/16 14:15

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 20:37	1
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 14:14	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 20:37	1
Cobalt, Dissolved	0.70		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 20:37	1
Copper, Dissolved	1.2	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 20:37	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 20:37	1
Manganese, Dissolved	3.6		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 20:37	1
Molybdenum, Dissolved	1.3		1.0	0.45	ug/L		10/05/16 16:11	10/10/16 20:37	1
Nickel, Dissolved	2.9	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:37	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 20:37	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 20:37	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 20:37	1
Vanadium, Dissolved	1.0	B	1.0	0.30	ug/L		10/05/16 16:11	10/11/16 14:14	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		10/05/16 16:11	10/10/16 20:37	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	220		3.3	3.3	mg/L			10/11/16 11:54	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:28	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.3		1.0	0.50	mg/L			10/01/16 03:01	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	110		5.0	5.0	mg/L			10/03/16 17:07	1
Total Suspended Solids	110		4.0	4.0	mg/L			10/03/16 08:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	3.1		1.0	0.50	mg/L			10/01/16 10:32	1

Client Sample ID: SJSR_SED_092816

Lab Sample ID: 680-130356-8

Date Collected: 09/28/16 14:15

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 73.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6900		23	3.6	mg/Kg	☼	10/03/16 07:15	10/04/16 22:44	1
Calcium	7200		57	6.0	mg/Kg	☼	10/03/16 07:15	10/04/16 22:44	1
Iron	11000		23	6.1	mg/Kg	☼	10/03/16 07:15	10/04/16 22:44	1
Magnesium	2500		57	10	mg/Kg	☼	10/03/16 07:15	10/04/16 22:44	1
Potassium	1200		110	2.9	mg/Kg	☼	10/03/16 07:15	10/04/16 22:44	1
Sodium	250		230	55	mg/Kg	☼	10/03/16 07:15	10/04/16 22:44	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJSR_SED_092816

Lab Sample ID: 680-130356-8

Date Collected: 09/28/16 14:15

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 73.7

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.12	J	1.1	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Arsenic	4.5		0.34	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Barium	230		0.57	0.069	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Beryllium	0.62		0.057	0.017	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Cadmium	0.12		0.057	0.017	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Chromium	6.6	B	1.1	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Cobalt	5.3		0.057	0.011	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Copper	10		0.57	0.15	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Lead	11		0.23	0.057	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Manganese	290	B	1.1	0.14	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Molybdenum	0.63	J	1.1	0.092	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Nickel	7.0		1.1	0.30	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Selenium	4.4		0.57	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Silver	0.045	J B	0.11	0.011	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Thallium	0.13		0.11	0.057	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Vanadium	17		0.57	0.31	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1
Zinc	44		2.3	1.1	mg/Kg	☼	10/03/16 11:40	10/04/16 08:42	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0095	U	0.024	0.0095	mg/Kg	☼	10/03/16 12:38	10/04/16 13:54	1

Client Sample ID: 9426_092916

Lab Sample ID: 680-130356-9

Date Collected: 09/29/16 13:25

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	27		10	4.6	ug/L		10/11/16 13:38	10/13/16 16:29	1

Client Sample ID: 9426_SED_092916

Lab Sample ID: 680-130356-10

Date Collected: 09/29/16 13:25

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 82.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4900		21	3.2	mg/Kg	☼	10/03/16 07:15	10/04/16 22:50	1
Calcium	3400		52	5.4	mg/Kg	☼	10/03/16 07:15	10/04/16 22:50	1
Iron	13000		21	5.5	mg/Kg	☼	10/03/16 07:15	10/04/16 22:50	1
Magnesium	3200		52	9.3	mg/Kg	☼	10/03/16 07:15	10/04/16 22:50	1
Potassium	810		100	2.6	mg/Kg	☼	10/03/16 07:15	10/04/16 22:50	1
Sodium	50	U	210	50	mg/Kg	☼	10/03/16 07:15	10/04/16 22:50	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J	1.0	0.10	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Arsenic	6.4		0.31	0.10	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Barium	41		0.52	0.063	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Beryllium	0.35		0.052	0.016	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Cadmium	0.40		0.052	0.016	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: 9426_SED_092916

Lab Sample ID: 680-130356-10

Date Collected: 09/29/16 13:25

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 82.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.0	B	1.0	0.11	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Cobalt	4.8		0.052	0.010	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Copper	28		0.52	0.14	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Lead	48		0.21	0.052	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Manganese	430	B	1.0	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Molybdenum	0.90	J	1.0	0.083	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Nickel	6.1		1.0	0.27	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Selenium	2.7		0.52	0.10	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Silver	0.18	B	0.10	0.010	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Thallium	0.083	J	0.10	0.052	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Vanadium	14		0.52	0.28	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1
Zinc	150		2.1	1.0	mg/Kg	☼	10/03/16 11:40	10/04/16 08:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0081	U	0.020	0.0081	mg/Kg	☼	10/03/16 12:38	10/04/16 13:58	1

Client Sample ID: Bakers Bridge_092916

Lab Sample ID: 680-130356-11

Date Collected: 09/29/16 08:15

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	520		200	24	ug/L		10/05/16 16:11	10/10/16 17:26	1
Calcium	39000	B	500	25	ug/L		10/05/16 16:11	10/10/16 17:26	1
Iron	560		50	17	ug/L		10/05/16 16:11	10/10/16 17:26	1
Magnesium	4500		500	33	ug/L		10/05/16 16:11	10/10/16 17:26	1
Potassium	840	J	1000	17	ug/L		10/05/16 16:11	10/10/16 17:26	1
Sodium	1800		1000	480	ug/L		10/05/16 16:11	10/10/16 17:26	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	97	J	200	24	ug/L		10/05/16 16:11	10/10/16 15:18	1
Calcium, Dissolved	39000		500	25	ug/L		10/05/16 16:11	10/10/16 15:18	1
Iron, Dissolved	29	J	50	17	ug/L		10/05/16 16:11	10/10/16 15:18	1
Magnesium, Dissolved	4400		500	33	ug/L		10/05/16 16:11	10/10/16 15:18	1
Potassium, Dissolved	820	J	1000	17	ug/L		10/05/16 16:11	10/10/16 15:18	1
Sodium, Dissolved	1900		1000	480	ug/L		10/05/16 16:11	10/10/16 15:18	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:42	1
Arsenic	0.37	U	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 22:42	1
Barium	38		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 22:42	1
Beryllium	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 22:42	1
Cadmium	0.19	J	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 16:09	1
Chromium	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 22:42	1
Cobalt	1.6		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 22:42	1
Copper	5.5		5.0	0.50	ug/L		10/05/16 16:11	10/10/16 22:42	1
Lead	1.4		0.30	0.060	ug/L		10/05/16 16:11	10/10/16 22:42	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: Bakers Bridge_092916

Lab Sample ID: 680-130356-11

Date Collected: 09/29/16 08:15

Matrix: Water

Date Received: 09/30/16 09:01

Method: 200.8 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	320		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 22:42	1
Molybdenum	0.70	J	1.0	0.45	ug/L		10/05/16 16:11	10/11/16 16:09	1
Nickel	2.9	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:42	1
Selenium	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 22:42	1
Silver	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 22:42	1
Thallium	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 22:42	1
Vanadium	0.47	J	1.0	0.30	ug/L		10/05/16 16:11	10/10/16 22:42	1
Zinc	170		20	2.8	ug/L		10/05/16 16:11	10/10/16 22:42	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	100		10	4.6	ug/L		10/05/16 16:11	10/10/16 20:41	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:41	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 20:41	1
Barium, Dissolved	33		2.0	0.14	ug/L		10/05/16 16:11	10/10/16 20:41	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 20:41	1
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 14:18	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 20:41	1
Cobalt, Dissolved	1.6		0.40	0.12	ug/L		10/05/16 16:11	10/10/16 20:41	1
Copper, Dissolved	2.3	J	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 20:41	1
Lead, Dissolved	0.11	J	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 20:41	1
Manganese, Dissolved	290		2.5	1.2	ug/L		10/05/16 16:11	10/10/16 20:41	1
Molybdenum, Dissolved	0.63	J	1.0	0.45	ug/L		10/05/16 16:11	10/10/16 20:41	1
Nickel, Dissolved	2.9	J	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:41	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 20:41	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 20:41	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 20:41	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		10/05/16 16:11	10/11/16 14:18	1
Zinc, Dissolved	93		20	2.8	ug/L		10/05/16 16:11	10/10/16 20:41	1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	120		3.3	3.3	mg/L			10/11/16 11:54	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:32	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.1		1.0	0.50	mg/L			10/01/16 01:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	31		5.0	5.0	mg/L			10/04/16 18:11	1
Total Suspended Solids	2.9		1.0	1.0	mg/L			10/05/16 09:26	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: Bakers Bridge_092916

Lab Sample ID: 680-130356-11

Date Collected: 09/29/16 08:15

Matrix: Water

Date Received: 09/30/16 09:01

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	1.1		1.0	0.50	mg/L			10/01/16 09:03	1

Client Sample ID: Bakers Bridge_SED_092916

Lab Sample ID: 680-130356-12

Date Collected: 09/29/16 08:15

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 64.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9400		26	4.0	mg/Kg	☼	10/03/16 07:15	10/04/16 22:03	1
Calcium	4000		650	68	mg/Kg	☼	10/03/16 07:15	10/05/16 15:58	10
Iron	30000		26	6.9	mg/Kg	☼	10/03/16 07:15	10/04/16 22:03	1
Magnesium	4800		650	120	mg/Kg	☼	10/03/16 07:15	10/05/16 15:58	10
Potassium	1200		130	3.3	mg/Kg	☼	10/03/16 07:15	10/04/16 22:03	1
Sodium	63	U	260	63	mg/Kg	☼	10/03/16 07:15	10/04/16 22:03	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.9	F1	1.3	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Arsenic	20	F1	0.39	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Barium	140		0.65	0.078	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Beryllium	0.94	F1	0.065	0.020	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Cadmium	4.2	F1	0.065	0.020	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Chromium	6.5	B F1	1.3	0.14	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Cobalt	20	F1	0.065	0.013	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Copper	110		0.65	0.17	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Lead	340		0.26	0.065	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Manganese	3700	B F2	13	1.6	mg/Kg	☼	10/03/16 11:40	10/04/16 10:12	10
Molybdenum	4.9		1.3	0.10	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Nickel	13	F1	1.3	0.34	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Selenium	4.7	F1	0.65	0.13	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Silver	1.0	B	0.13	0.013	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Thallium	0.22		0.13	0.065	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Vanadium	25	F1	0.65	0.35	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1
Zinc	1500		2.6	1.3	mg/Kg	☼	10/03/16 11:40	10/04/16 08:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J F1	0.029	0.012	mg/Kg	☼	10/03/16 12:38	10/04/16 14:03	1

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-452471/1-A
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24	U	200	24	ug/L		10/05/16 16:11	10/10/16 16:46	1
Calcium	30.6	J	500	25	ug/L		10/05/16 16:11	10/10/16 16:46	1
Iron	17	U	50	17	ug/L		10/05/16 16:11	10/10/16 16:46	1
Magnesium	33	U	500	33	ug/L		10/05/16 16:11	10/10/16 16:46	1
Potassium	17	U	1000	17	ug/L		10/05/16 16:11	10/10/16 16:46	1
Sodium	480	U	1000	480	ug/L		10/05/16 16:11	10/10/16 16:46	1

Lab Sample ID: LCS 680-452471/2-A
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	2120		ug/L		106	85 - 115
Calcium	2000	2060		ug/L		103	85 - 115
Iron	2000	2050		ug/L		102	85 - 115
Magnesium	2000	2070		ug/L		104	85 - 115
Potassium	2000	2260		ug/L		113	85 - 115
Sodium	2000	1810		ug/L		91	85 - 115

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	520		2000	2690		ug/L		108	75 - 125
Calcium	39000	B	2000	40000	4	ug/L		33	75 - 125
Iron	560		2000	2600		ug/L		102	75 - 125
Magnesium	4500		2000	6430		ug/L		98	75 - 125
Potassium	840	J	2000	3120		ug/L		114	75 - 125
Sodium	1800		2000	4300		ug/L		124	75 - 125

Lab Sample ID: 680-130356-11 MSD
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	520		2000	2780		ug/L		113	75 - 125	3	20
Calcium	39000	B	2000	42900	4	ug/L		175	75 - 125	7	20
Iron	560		2000	2680		ug/L		106	75 - 125	3	20
Magnesium	4500		2000	6800		ug/L		117	75 - 125	6	20
Potassium	840	J	2000	3210		ug/L		119	75 - 125	3	20
Sodium	1800		2000	4010		ug/L		109	75 - 125	7	20

Lab Sample ID: MB 680-452477/1-A
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	24	U	200	24	ug/L		10/05/16 16:11	10/10/16 14:41	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 680-452477/1-A
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452477

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium, Dissolved	25	U	500	25	ug/L		10/05/16 16:11	10/10/16 14:41	1
Iron, Dissolved	17	U	50	17	ug/L		10/05/16 16:11	10/10/16 14:41	1
Magnesium, Dissolved	33	U	500	33	ug/L		10/05/16 16:11	10/10/16 14:41	1
Potassium, Dissolved	17	U	1000	17	ug/L		10/05/16 16:11	10/10/16 14:41	1
Sodium, Dissolved	480	U	1000	480	ug/L		10/05/16 16:11	10/10/16 14:41	1

Lab Sample ID: LCS 680-452477/2-A
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452477

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum, Dissolved	2000	2130		ug/L		106	85 - 115
Calcium, Dissolved	2000	2070		ug/L		103	85 - 115
Iron, Dissolved	2000	2040		ug/L		102	85 - 115
Magnesium, Dissolved	2000	2080		ug/L		104	85 - 115
Potassium, Dissolved	2000	2280		ug/L		114	85 - 115
Sodium, Dissolved	2000	1920		ug/L		96	85 - 115

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Bakers Bridge_092916
Prep Type: Dissolved
Prep Batch: 452477

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Aluminum, Dissolved	97	J	2000	2330		ug/L		112	75 - 125
Calcium, Dissolved	39000		2000	40900	4	ug/L		94	75 - 125
Iron, Dissolved	29	J	2000	2090		ug/L		103	75 - 125
Magnesium, Dissolved	4400		2000	6480		ug/L		103	75 - 125
Potassium, Dissolved	820	J	2000	3110		ug/L		115	75 - 125
Sodium, Dissolved	1900		2000	3860		ug/L		99	75 - 125

Lab Sample ID: 680-130356-11 MSD
Matrix: Water
Analysis Batch: 452651

Client Sample ID: Bakers Bridge_092916
Prep Type: Dissolved
Prep Batch: 452477

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	
				Result	Qualifier					RPD	Limit
Aluminum, Dissolved	97	J	2000	2360		ug/L		113	75 - 125	1	20
Calcium, Dissolved	39000		2000	40100	4	ug/L		56	75 - 125	2	20
Iron, Dissolved	29	J	2000	2070		ug/L		102	75 - 125	1	20
Magnesium, Dissolved	4400		2000	6380		ug/L		98	75 - 125	2	20
Potassium, Dissolved	820	J	2000	3060		ug/L		112	75 - 125	2	20
Sodium, Dissolved	1900		2000	3880		ug/L		100	75 - 125	1	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 680-452469/1-A
Matrix: Water
Analysis Batch: 452629

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:16	1
Arsenic	0.37	U	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 22:16	1
Barium	0.14	U	2.0	0.14	ug/L		10/05/16 16:11	10/10/16 22:16	1
Beryllium	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 22:16	1
Chromium	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 22:16	1
Cobalt	0.12	U	0.40	0.12	ug/L		10/05/16 16:11	10/10/16 22:16	1
Copper	0.50	U	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 22:16	1
Lead	0.060	U	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 22:16	1
Manganese	1.2	U	2.5	1.2	ug/L		10/05/16 16:11	10/10/16 22:16	1
Nickel	0.40	U	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 22:16	1
Selenium	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 22:16	1
Silver	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 22:16	1
Thallium	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 22:16	1
Vanadium	0.30	U	1.0	0.30	ug/L		10/05/16 16:11	10/10/16 22:16	1
Zinc	2.8	U	20	2.8	ug/L		10/05/16 16:11	10/10/16 22:16	1

Lab Sample ID: MB 680-452469/1-A
Matrix: Water
Analysis Batch: 452815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 15:42	1
Molybdenum	0.45	U	1.0	0.45	ug/L		10/05/16 16:11	10/11/16 15:42	1

Lab Sample ID: LCS 680-452469/2-A
Matrix: Water
Analysis Batch: 452629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452469

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	20.0	20.7		ug/L		103	85 - 115
Arsenic	40.0	37.7		ug/L		94	85 - 115
Barium	40.0	40.6		ug/L		102	85 - 115
Beryllium	20.0	20.3		ug/L		102	85 - 115
Chromium	40.0	37.4		ug/L		94	85 - 115
Cobalt	20.0	19.5		ug/L		98	85 - 115
Copper	40.0	39.9		ug/L		100	85 - 115
Lead	200	182		ug/L		91	85 - 115
Manganese	200	209		ug/L		104	85 - 115
Nickel	40.0	38.8		ug/L		97	85 - 115
Selenium	40.0	36.9		ug/L		92	85 - 115
Silver	20.0	21.1		ug/L		106	85 - 115
Thallium	16.0	16.6		ug/L		104	85 - 115
Vanadium	40.0	39.5		ug/L		99	85 - 115
Zinc	40.0	42.9		ug/L		107	85 - 115

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-452469/2-A
Matrix: Water
Analysis Batch: 452815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452469

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	20.0	21.8		ug/L		109	85 - 115
Molybdenum	40.0	41.2		ug/L		103	85 - 115

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452629

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452469

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.40	U	20.0	21.3		ug/L		106	70 - 130
Arsenic	0.37	U	40.0	40.3		ug/L		101	70 - 130
Barium	38		40.0	73.8		ug/L		90	70 - 130
Beryllium	0.15	U	20.0	20.7		ug/L		103	70 - 130
Chromium	1.0	U	40.0	37.7		ug/L		94	70 - 130
Cobalt	1.6		20.0	20.7		ug/L		95	70 - 130
Copper	5.5		40.0	44.3		ug/L		97	70 - 130
Lead	1.4		200	182		ug/L		90	70 - 130
Manganese	320		200	506		ug/L		92	70 - 130
Nickel	2.9	J	40.0	41.1		ug/L		95	70 - 130
Selenium	0.58	U	40.0	38.0		ug/L		95	70 - 130
Silver	0.10	U	20.0	21.3		ug/L		106	70 - 130
Thallium	0.10	U	16.0	16.7		ug/L		104	70 - 130
Vanadium	0.47	J	40.0	41.7		ug/L		103	70 - 130
Zinc	170		40.0	180	4	ug/L		31	70 - 130

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452815

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452469

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.19	J	20.0	21.4		ug/L		106	70 - 130
Molybdenum	0.70	J	40.0	41.1		ug/L		101	70 - 130

Lab Sample ID: 680-130356-11 MSD
Matrix: Water
Analysis Batch: 452629

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452469

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.40	U	20.0	20.8		ug/L		104	70 - 130	2	20
Arsenic	0.37	U	40.0	39.7		ug/L		99	70 - 130	1	20
Barium	38		40.0	75.8		ug/L		95	70 - 130	3	20
Beryllium	0.15	U	20.0	20.4		ug/L		102	70 - 130	1	20
Chromium	1.0	U	40.0	37.1		ug/L		93	70 - 130	2	20
Cobalt	1.6		20.0	20.6		ug/L		95	70 - 130	1	20
Copper	5.5		40.0	44.0		ug/L		96	70 - 130	1	20
Lead	1.4		200	180		ug/L		89	70 - 130	1	20
Manganese	320		200	519		ug/L		98	70 - 130	3	20
Nickel	2.9	J	40.0	40.6		ug/L		94	70 - 130	1	20
Selenium	0.58	U	40.0	36.7		ug/L		92	70 - 130	3	20
Silver	0.10	U	20.0	21.0		ug/L		105	70 - 130	1	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-130356-11 MSD

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Bakers Bridge_092916

Prep Type: Total/NA

Prep Batch: 452469

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Thallium	0.10	U	16.0	16.7		ug/L		104	70 - 130	0	20	
Vanadium	0.47	J	40.0	41.5		ug/L		103	70 - 130	1	20	
Zinc	170		40.0	181	4	ug/L		33	70 - 130	0	20	

Lab Sample ID: 680-130356-11 MSD

Matrix: Water

Analysis Batch: 452815

Client Sample ID: Bakers Bridge_092916

Prep Type: Total/NA

Prep Batch: 452469

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Cadmium	0.19	J	20.0	21.2		ug/L		105	70 - 130	1	20	
Molybdenum	0.70	J	40.0	40.6		ug/L		100	70 - 130	1	20	

Lab Sample ID: MB 680-452476/1-A

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452476

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum, Dissolved	4.6	U	10	4.6	ug/L		10/05/16 16:11	10/10/16 20:14	1
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:14	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		10/05/16 16:11	10/10/16 20:14	1
Barium, Dissolved	0.14	U	2.0	0.14	ug/L		10/05/16 16:11	10/10/16 20:14	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		10/05/16 16:11	10/10/16 20:14	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		10/05/16 16:11	10/10/16 20:14	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		10/05/16 16:11	10/10/16 20:14	1
Copper, Dissolved	0.50	U	5.0	0.50	ug/L		10/05/16 16:11	10/10/16 20:14	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		10/05/16 16:11	10/10/16 20:14	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		10/05/16 16:11	10/10/16 20:14	1
Molybdenum, Dissolved	0.45	U	1.0	0.45	ug/L		10/05/16 16:11	10/10/16 20:14	1
Nickel, Dissolved	0.40	U	5.0	0.40	ug/L		10/05/16 16:11	10/10/16 20:14	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		10/05/16 16:11	10/10/16 20:14	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		10/05/16 16:11	10/10/16 20:14	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		10/05/16 16:11	10/10/16 20:14	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		10/05/16 16:11	10/10/16 20:14	1

Lab Sample ID: MB 680-452476/1-A

Matrix: Water

Analysis Batch: 452815

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452476

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium, Dissolved	0.043	U	0.50	0.043	ug/L		10/05/16 16:11	10/11/16 13:51	1
Vanadium, Dissolved	0.817	J	1.0	0.30	ug/L		10/05/16 16:11	10/11/16 13:51	1

Lab Sample ID: LCS 680-452476/2-A

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452476

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.	
		Added	Result				Qualifier	Limits
Aluminum, Dissolved	2000	1920		ug/L		96	85 - 115	
Antimony, Dissolved	20.0	20.9		ug/L		105	85 - 115	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-452476/2-A

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Arsenic, Dissolved	40.0	39.3		ug/L		98	85 - 115	
Barium, Dissolved	40.0	41.4		ug/L		104	85 - 115	
Beryllium, Dissolved	20.0	20.3		ug/L		101	85 - 115	
Chromium, Dissolved	40.0	39.6		ug/L		99	85 - 115	
Cobalt, Dissolved	20.0	20.4		ug/L		102	85 - 115	
Copper, Dissolved	40.0	41.6		ug/L		104	85 - 115	
Lead, Dissolved	200	179		ug/L		89	85 - 115	
Manganese, Dissolved	200	208		ug/L		104	85 - 115	
Molybdenum, Dissolved	40.0	41.4		ug/L		103	85 - 115	
Nickel, Dissolved	40.0	40.9		ug/L		102	85 - 115	
Selenium, Dissolved	40.0	35.8		ug/L		90	85 - 115	
Silver, Dissolved	20.0	21.3		ug/L		106	85 - 115	
Thallium, Dissolved	16.0	16.1		ug/L		101	85 - 115	
Zinc, Dissolved	40.0	44.1		ug/L		110	85 - 115	

Lab Sample ID: LCS 680-452476/2-A

Matrix: Water

Analysis Batch: 452815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Cadmium, Dissolved	20.0	21.2		ug/L		106	85 - 115	
Vanadium, Dissolved	40.0	42.2		ug/L		106	85 - 115	

Lab Sample ID: MB 680-452699/1-A

Matrix: Water

Analysis Batch: 453178

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452699

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum, Dissolved	4.6	U	10	4.6	ug/L		10/11/16 13:38	10/13/16 16:17	1

Lab Sample ID: LCS 680-452699/2-A

Matrix: Water

Analysis Batch: 453178

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum, Dissolved	2000	2170		ug/L		109	85 - 115	

Lab Sample ID: 680-130356-11 MS

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Prep Batch: 452476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Antimony, Dissolved	0.40	U	20.0	21.5		ug/L		108	70 - 130	
Arsenic, Dissolved	0.37	U	40.0	40.4		ug/L		101	70 - 130	
Barium, Dissolved	33		40.0	76.9		ug/L		109	70 - 130	
Beryllium, Dissolved	0.15	U	20.0	20.8		ug/L		104	70 - 130	
Chromium, Dissolved	1.0	U	40.0	38.8		ug/L		97	70 - 130	
Cobalt, Dissolved	1.6		20.0	21.5		ug/L		100	70 - 130	
Copper, Dissolved	2.3	J	40.0	44.5		ug/L		106	70 - 130	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-130356-11 MS

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Prep Batch: 452476

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Lead, Dissolved	0.11	J	200	184		ug/L		92	70 - 130	
Manganese, Dissolved	290		200	519		ug/L		116	70 - 130	
Molybdenum, Dissolved	0.63	J	40.0	43.2		ug/L		107	70 - 130	
Nickel, Dissolved	2.9	J	40.0	42.8		ug/L		100	70 - 130	
Selenium, Dissolved	0.58	U	40.0	38.7		ug/L		97	70 - 130	
Silver, Dissolved	0.10	U	20.0	21.4		ug/L		107	70 - 130	
Thallium, Dissolved	0.10	U	16.0	17.1		ug/L		107	70 - 130	
Zinc, Dissolved	93	F1	40.0	202	F1	ug/L		273	70 - 130	

Lab Sample ID: 680-130356-11 MS

Matrix: Water

Analysis Batch: 452815

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Prep Batch: 452476

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Cadmium, Dissolved	0.043	U	20.0	21.3		ug/L		106	70 - 130	
Vanadium, Dissolved	0.30	U	40.0	37.6		ug/L		94	70 - 130	

Lab Sample ID: 680-130356-11 MSD

Matrix: Water

Analysis Batch: 452629

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Prep Batch: 452476

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Antimony, Dissolved	0.40	U	20.0	20.7		ug/L		103	70 - 130	4	20	
Arsenic, Dissolved	0.37	U	40.0	38.8		ug/L		97	70 - 130	4	20	
Barium, Dissolved	33		40.0	74.3		ug/L		103	70 - 130	3	20	
Beryllium, Dissolved	0.15	U	20.0	20.0		ug/L		100	70 - 130	4	20	
Chromium, Dissolved	1.0	U	40.0	37.0		ug/L		92	70 - 130	5	20	
Cobalt, Dissolved	1.6		20.0	20.7		ug/L		95	70 - 130	4	20	
Copper, Dissolved	2.3	J	40.0	44.9		ug/L		107	70 - 130	1	20	
Lead, Dissolved	0.11	J	200	178		ug/L		89	70 - 130	3	20	
Manganese, Dissolved	290		200	497		ug/L		105	70 - 130	4	20	
Molybdenum, Dissolved	0.63	J	40.0	41.3		ug/L		102	70 - 130	5	20	
Nickel, Dissolved	2.9	J	40.0	41.3		ug/L		96	70 - 130	4	20	
Selenium, Dissolved	0.58	U	40.0	37.1		ug/L		93	70 - 130	4	20	
Silver, Dissolved	0.10	U	20.0	20.6		ug/L		103	70 - 130	4	20	
Thallium, Dissolved	0.10	U	16.0	16.6		ug/L		104	70 - 130	3	20	
Zinc, Dissolved	93	F1	40.0	200	F1	ug/L		266	70 - 130	1	20	

Lab Sample ID: 680-130356-11 MSD

Matrix: Water

Analysis Batch: 452815

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Prep Batch: 452476

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Cadmium, Dissolved	0.043	U	20.0	20.4		ug/L		102	70 - 130	4	20	
Vanadium, Dissolved	0.30	U	40.0	35.6		ug/L		89	70 - 130	6	20	

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Lab Sample ID: MB 680-452669/1
Matrix: Water
Analysis Batch: 452669

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	3.3	U	3.3	3.3	mg/L			10/11/16 11:54	1

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-452362/13-A
Matrix: Water
Analysis Batch: 452663

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:01	1
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		10/05/16 10:02	10/10/16 13:01	1

Lab Sample ID: LCS 680-452362/15-A
Matrix: Water
Analysis Batch: 452663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.62		ug/L		105	85 - 115
Mercury, Dissolved	2.50	2.62		ug/L		105	85 - 115

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452663

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.080	U	1.00	1.20		ug/L		120	70 - 130

Lab Sample ID: 680-130356-11 MSD
Matrix: Water
Analysis Batch: 452663

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA
Prep Batch: 452362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.080	U	1.00	1.19		ug/L		119	70 - 130	1	20

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452663

Client Sample ID: Bakers Bridge_092916
Prep Type: Dissolved
Prep Batch: 452362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.080	U	1.00	1.20		ug/L		120	70 - 130

Lab Sample ID: 680-130356-11 MSD
Matrix: Water
Analysis Batch: 452663

Client Sample ID: Bakers Bridge_092916
Prep Type: Dissolved
Prep Batch: 452362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	0.080	U	1.00	1.25		ug/L		125	70 - 130	4	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-451972/1-A
Matrix: Solid
Analysis Batch: 452370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.8	U	18	2.8	mg/Kg		10/03/16 07:15	10/04/16 21:52	1
Calcium	4.8	U	46	4.8	mg/Kg		10/03/16 07:15	10/04/16 21:52	1
Iron	4.9	U	18	4.9	mg/Kg		10/03/16 07:15	10/04/16 21:52	1
Magnesium	8.2	U	46	8.2	mg/Kg		10/03/16 07:15	10/04/16 21:52	1
Potassium	2.3	U	92	2.3	mg/Kg		10/03/16 07:15	10/04/16 21:52	1
Sodium	44	U	180	44	mg/Kg		10/03/16 07:15	10/04/16 21:52	1

Lab Sample ID: LCS 680-451972/2-A
Matrix: Solid
Analysis Batch: 452370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	463	483		mg/Kg		104	80 - 120
Calcium	463	484		mg/Kg		104	80 - 120
Iron	463	479		mg/Kg		103	80 - 120
Magnesium	463	475		mg/Kg		103	80 - 120
Potassium	741	774		mg/Kg		104	80 - 120
Sodium	463	453		mg/Kg		98	80 - 120

Lab Sample ID: 680-130356-12 MS
Matrix: Solid
Analysis Batch: 452370

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 451972

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9400		648	10500	4	mg/Kg	☼	183	75 - 125
Iron	30000		648	33700	4	mg/Kg	☼	505	75 - 125
Potassium	1200		1040	2080		mg/Kg	☼	89	75 - 125
Sodium	63	U	648	628		mg/Kg	☼	97	75 - 125

Lab Sample ID: 680-130356-12 MS
Matrix: Solid
Analysis Batch: 452557

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 451972

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	4000		648	4090	4	mg/Kg	☼	12	75 - 125
Magnesium	4800		648	5780	4	mg/Kg	☼	155	75 - 125

Lab Sample ID: 680-130356-12 MSD
Matrix: Solid
Analysis Batch: 452370

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 451972

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	9400		648	9660	4	mg/Kg	☼	47	75 - 125	9	20
Iron	30000		648	31800	4	mg/Kg	☼	212	75 - 125	6	20
Potassium	1200		1040	1970		mg/Kg	☼	78	75 - 125	6	20
Sodium	63	U	648	637		mg/Kg	☼	98	75 - 125	1	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-130356-12 MSD

Matrix: Solid

Analysis Batch: 452557

Client Sample ID: Bakers Bridge_SED_092916

Prep Type: Total/NA

Prep Batch: 451972

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Calcium	4000		648	4370	4	mg/Kg	☼	57	75 - 125	7	20
Magnesium	4800		648	5550	4	mg/Kg	☼	121	75 - 125	4	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-452043/1-A

Matrix: Solid

Analysis Batch: 452211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 452043

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.092	U	0.92	0.092	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Arsenic	0.092	U	0.28	0.092	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Barium	0.055	U	0.46	0.055	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Beryllium	0.014	U	0.046	0.014	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Cadmium	0.014	U	0.046	0.014	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Chromium	0.111	J	0.92	0.10	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Cobalt	0.0092	U	0.046	0.0092	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Copper	0.12	U	0.46	0.12	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Lead	0.046	U	0.18	0.046	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Manganese	0.118	J	0.92	0.11	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Molybdenum	0.073	U	0.92	0.073	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Nickel	0.24	U	0.92	0.24	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Selenium	0.092	U	0.46	0.092	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Silver	0.0550	J	0.092	0.0092	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Thallium	0.046	U	0.092	0.046	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Vanadium	0.25	U	0.46	0.25	mg/Kg		10/03/16 11:40	10/04/16 08:00	1
Zinc	0.92	U	1.8	0.92	mg/Kg		10/03/16 11:40	10/04/16 08:00	1

Lab Sample ID: LCS 680-452043/2-A

Matrix: Solid

Analysis Batch: 452211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452043

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Antimony	4.63	5.43		mg/Kg		117	75 - 125
Arsenic	9.26	10.8		mg/Kg		116	75 - 125
Barium	9.26	11.5		mg/Kg		124	75 - 125
Beryllium	4.63	5.77		mg/Kg		125	75 - 125
Cadmium	4.63	5.31		mg/Kg		115	75 - 125
Chromium	9.26	10.7		mg/Kg		116	75 - 125
Cobalt	4.63	5.49		mg/Kg		119	75 - 125
Copper	9.26	10.8		mg/Kg		117	75 - 125
Lead	46.3	52.4		mg/Kg		113	75 - 125
Manganese	463	559		mg/Kg		121	75 - 125
Molybdenum	9.26	10.3		mg/Kg		111	75 - 125
Nickel	9.26	10.8		mg/Kg		116	75 - 125
Selenium	9.26	10.7		mg/Kg		115	75 - 125
Silver	4.63	5.33		mg/Kg		115	75 - 125
Thallium	3.70	4.23		mg/Kg		114	75 - 125

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-452043/2-A

Matrix: Solid

Analysis Batch: 452211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 452043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	9.26	10.6		mg/Kg		115	75 - 125
Zinc	9.26	10.9		mg/Kg		118	75 - 125

Lab Sample ID: 680-130356-12 MS

Matrix: Solid

Analysis Batch: 452211

Client Sample ID: Bakers Bridge_SED_092916

Prep Type: Total/NA

Prep Batch: 452043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.9	F1	6.48	10.1	F1	mg/Kg	*	127	75 - 125
Arsenic	20	F1	13.0	42.9	F1	mg/Kg	*	179	75 - 125
Barium	140		13.0	173	4	mg/Kg	*	231	75 - 125
Beryllium	0.94	F1	6.48	9.71	F1	mg/Kg	*	135	75 - 125
Cadmium	4.2	F1	6.48	11.9		mg/Kg	*	119	75 - 125
Chromium	6.5	B F1	13.0	22.4		mg/Kg	*	123	75 - 125
Cobalt	20	F1	6.48	29.6	F1	mg/Kg	*	144	75 - 125
Copper	110		13.0	147	4	mg/Kg	*	273	75 - 125
Lead	340		64.8	509	4	mg/Kg	*	260	75 - 125
Molybdenum	4.9		13.0	19.2		mg/Kg	*	110	75 - 125
Nickel	13	F1	13.0	28.8		mg/Kg	*	122	75 - 125
Selenium	4.7	F1	13.0	20.0		mg/Kg	*	118	75 - 125
Silver	1.0	B	6.48	8.26		mg/Kg	*	112	75 - 125
Thallium	0.22		5.18	6.00		mg/Kg	*	112	75 - 125
Vanadium	25	F1	13.0	48.0	F1	mg/Kg	*	180	75 - 125
Zinc	1500		13.0	1470	4	mg/Kg	*	42	75 - 125

Lab Sample ID: 680-130356-12 MS

Matrix: Solid

Analysis Batch: 452211

Client Sample ID: Bakers Bridge_SED_092916

Prep Type: Total/NA

Prep Batch: 452043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	3700	B F2	648	4900	4	mg/Kg	*	190	75 - 125

Lab Sample ID: 680-130356-12 MSD

Matrix: Solid

Analysis Batch: 452211

Client Sample ID: Bakers Bridge_SED_092916

Prep Type: Total/NA

Prep Batch: 452043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	1.9	F1	6.48	9.52		mg/Kg	*	118	75 - 125	6	20
Arsenic	20	F1	13.0	37.4	F1	mg/Kg	*	137	75 - 125	14	20
Barium	140		13.0	173	4	mg/Kg	*	230	75 - 125	0	20
Beryllium	0.94	F1	6.48	10.4	F1	mg/Kg	*	146	75 - 125	7	20
Cadmium	4.2	F1	6.48	12.4	F1	mg/Kg	*	127	75 - 125	4	20
Chromium	6.5	B F1	13.0	23.9	F1	mg/Kg	*	135	75 - 125	7	20
Cobalt	20	F1	6.48	29.2	F1	mg/Kg	*	138	75 - 125	1	20
Copper	110		13.0	156	4	mg/Kg	*	342	75 - 125	6	20
Lead	340		64.8	492	4	mg/Kg	*	234	75 - 125	3	20
Molybdenum	4.9		13.0	20.3		mg/Kg	*	118	75 - 125	5	20
Nickel	13	F1	13.0	30.0	F1	mg/Kg	*	132	75 - 125	4	20
Selenium	4.7	F1	13.0	21.0	F1	mg/Kg	*	126	75 - 125	5	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-130356-12 MSD
Matrix: Solid
Analysis Batch: 452211

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 452043

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Silver	1.0	B	6.48	8.75		mg/Kg	✱	120	75 - 125	6	20
Thallium	0.22		5.18	6.43		mg/Kg	✱	120	75 - 125	7	20
Vanadium	25	F1	13.0	48.0	F1	mg/Kg	✱	180	75 - 125	0	20
Zinc	1500		13.0	1560	4	mg/Kg	✱	752	75 - 125	6	20

Lab Sample ID: 680-130356-12 MSD
Matrix: Solid
Analysis Batch: 452211

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 452043

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Manganese	3700	B F2	648	3680	4 F2	mg/Kg	✱	3	75 - 125	28	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 680-452053/1-A
Matrix: Solid
Analysis Batch: 452279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452053

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0069	U	0.017	0.0069	mg/Kg		10/03/16 12:38	10/04/16 13:22	1

Lab Sample ID: LCS 680-452053/2-A
Matrix: Solid
Analysis Batch: 452279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.227	0.236		mg/Kg		104	80 - 120

Lab Sample ID: 680-130356-12 MS
Matrix: Solid
Analysis Batch: 452279

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 452053

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Mercury	0.012	J F1	0.140	0.171	F1	mg/Kg	✱	122	80 - 120		

Lab Sample ID: 680-130356-12 MSD
Matrix: Solid
Analysis Batch: 452279

Client Sample ID: Bakers Bridge_SED_092916
Prep Type: Total/NA
Prep Batch: 452053

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Mercury	0.012	J F1	0.131	0.168	F1	mg/Kg	✱	129	80 - 120	2	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-452154/7
Matrix: Water
Analysis Batch: 452154

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	5.0	mg/L			10/03/16 15:50	1

Lab Sample ID: LCS 680-452154/8
Matrix: Water
Analysis Batch: 452154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	234		mg/L		94	80 - 120

Lab Sample ID: LCSD 680-452154/31
Matrix: Water
Analysis Batch: 452154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	235		mg/L		94	80 - 120	1	30

Lab Sample ID: 680-130356-5 DU
Matrix: Water
Analysis Batch: 452154

Client Sample ID: SJLP_092716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	100		101		mg/L		0.2	30

Lab Sample ID: MB 680-452316/7
Matrix: Water
Analysis Batch: 452316

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	5.0	mg/L			10/04/16 16:53	1

Lab Sample ID: LCS 680-452316/8
Matrix: Water
Analysis Batch: 452316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	234		mg/L		94	80 - 120

Lab Sample ID: LCSD 680-452316/33
Matrix: Water
Analysis Batch: 452316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity	250	236		mg/L		94	80 - 120	1	30

Lab Sample ID: 680-130356-11 DU
Matrix: Water
Analysis Batch: 452316

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	31		31.1		mg/L		1	30

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
 Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 2540 D-2011 - Total Suspended Solids (Dried at 103-105°C)

Lab Sample ID: MB 680-451985/1
Matrix: Water
Analysis Batch: 451985

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			10/03/16 08:22	1

Lab Sample ID: LCS 680-451985/2
Matrix: Water
Analysis Batch: 451985

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.0	17.0		mg/L		85	80 - 120

Lab Sample ID: LCSD 680-451985/3
Matrix: Water
Analysis Batch: 451985

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	20.0	17.5		mg/L		88	80 - 120	3	25

Lab Sample ID: 680-130356-11 DU
Matrix: Water
Analysis Batch: 451985

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	2.9		3.80	F5	mg/L		27	5

Lab Sample ID: MB 680-452324/1
Matrix: Water
Analysis Batch: 452324

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			10/05/16 08:19	1

Lab Sample ID: LCS 680-452324/2
Matrix: Water
Analysis Batch: 452324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	20.0	21.5		mg/L		108	80 - 120

Lab Sample ID: LCSD 680-452324/3
Matrix: Water
Analysis Batch: 452324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	20.0	22.0		mg/L		110	80 - 120	2	25

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 5310 B-2011 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-452056/2
Matrix: Water
Analysis Batch: 452056

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			10/01/16 00:46	1

Lab Sample ID: LCS 680-452056/3
Matrix: Water
Analysis Batch: 452056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.9		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-452056/4
Matrix: Water
Analysis Batch: 452056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	20.0	20.0		mg/L		100	80 - 120	1	25

Lab Sample ID: 680-130356-11 MS
Matrix: Water
Analysis Batch: 452056

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.1		20.0	21.1		mg/L		100	80 - 120

Lab Sample ID: 680-130356-11 MSD
Matrix: Water
Analysis Batch: 452056

Client Sample ID: Bakers Bridge_092916
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	1.1		20.0	21.1		mg/L		100	80 - 120	0	25

Method: 5310 B-2011 - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 680-452058/2
Matrix: Water
Analysis Batch: 452058

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	0.50	U	1.0	0.50	mg/L			10/01/16 08:16	1

Lab Sample ID: LCS 680-452058/3
Matrix: Water
Analysis Batch: 452058

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	20.0	20.0		mg/L		100	80 - 120

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.
 Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Method: 5310 B-2011 - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: LCSD 680-452058/4

Matrix: Water

Analysis Batch: 452058

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dissolved Organic Carbon	20.0	20.0		mg/L		100	80 - 120	0	20

Lab Sample ID: 680-130356-11 MS

Matrix: Water

Analysis Batch: 452058

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	1.1		20.0	21.2		mg/L		101	80 - 120

Lab Sample ID: 680-130356-11 MSD

Matrix: Water

Analysis Batch: 452058

Client Sample ID: Bakers Bridge_092916

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dissolved Organic Carbon	1.1		20.0	21.2		mg/L		100	80 - 120	0	20

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Metals

Prep Batch: 451972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	3050B	
680-130356-4	SJFP_SED_092816	Total/NA	Solid	3050B	
680-130356-6	SJLP_SED_092716	Total/NA	Solid	3050B	
680-130356-8	SJSR_SED_092816	Total/NA	Solid	3050B	
680-130356-10	9426_SED_092916	Total/NA	Solid	3050B	
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	3050B	
MB 680-451972/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 680-451972/2-A	Lab Control Sample	Total/NA	Solid	3050B	
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	3050B	
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	3050B	

Prep Batch: 452043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	3050B	
680-130356-4	SJFP_SED_092816	Total/NA	Solid	3050B	
680-130356-6	SJLP_SED_092716	Total/NA	Solid	3050B	
680-130356-8	SJSR_SED_092816	Total/NA	Solid	3050B	
680-130356-10	9426_SED_092916	Total/NA	Solid	3050B	
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	3050B	
MB 680-452043/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 680-452043/2-A	Lab Control Sample	Total/NA	Solid	3050B	
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	3050B	
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	3050B	

Prep Batch: 452053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	7471A	
680-130356-4	SJFP_SED_092816	Total/NA	Solid	7471A	
680-130356-6	SJLP_SED_092716	Total/NA	Solid	7471A	
680-130356-8	SJSR_SED_092816	Total/NA	Solid	7471A	
680-130356-10	9426_SED_092916	Total/NA	Solid	7471A	
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	7471A	
MB 680-452053/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 680-452053/2-A	Lab Control Sample	Total/NA	Solid	7471A	
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	7471A	
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	7471A	

Analysis Batch: 452211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	6020A	452043
680-130356-4	SJFP_SED_092816	Total/NA	Solid	6020A	452043
680-130356-6	SJLP_SED_092716	Total/NA	Solid	6020A	452043
680-130356-8	SJSR_SED_092816	Total/NA	Solid	6020A	452043
680-130356-10	9426_SED_092916	Total/NA	Solid	6020A	452043
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	6020A	452043
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	6020A	452043
MB 680-452043/1-A	Method Blank	Total/NA	Solid	6020A	452043
LCS 680-452043/2-A	Lab Control Sample	Total/NA	Solid	6020A	452043
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	6020A	452043
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	6020A	452043
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	6020A	452043

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Metals (Continued)

Analysis Batch: 452211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	6020A	452043

Analysis Batch: 452279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	7471A	452053
680-130356-4	SJFP_SED_092816	Total/NA	Solid	7471A	452053
680-130356-6	SJLP_SED_092716	Total/NA	Solid	7471A	452053
680-130356-8	SJSR_SED_092816	Total/NA	Solid	7471A	452053
680-130356-10	9426_SED_092916	Total/NA	Solid	7471A	452053
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	7471A	452053
MB 680-452053/1-A	Method Blank	Total/NA	Solid	7471A	452053
LCS 680-452053/2-A	Lab Control Sample	Total/NA	Solid	7471A	452053
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	7471A	452053
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	7471A	452053

Prep Batch: 452362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	245.1	
680-130356-1	SJAR_092716	Total/NA	Water	245.1	
680-130356-3	SJFP_092816	Dissolved	Water	245.1	
680-130356-3	SJFP_092816	Total/NA	Water	245.1	
680-130356-5	SJLP_092716	Dissolved	Water	245.1	
680-130356-5	SJLP_092716	Total/NA	Water	245.1	
680-130356-7	SJSR_092816	Dissolved	Water	245.1	
680-130356-7	SJSR_092816	Total/NA	Water	245.1	
680-130356-11	Bakers Bridge_092916	Dissolved	Water	245.1	
680-130356-11	Bakers Bridge_092916	Total/NA	Water	245.1	
MB 680-452362/13-A	Method Blank	Total/NA	Water	245.1	
LCS 680-452362/15-A	Lab Control Sample	Total/NA	Water	245.1	
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	245.1	
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	245.1	
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	245.1	
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	245.1	

Analysis Batch: 452370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	6010C	451972
680-130356-4	SJFP_SED_092816	Total/NA	Solid	6010C	451972
680-130356-6	SJLP_SED_092716	Total/NA	Solid	6010C	451972
680-130356-8	SJSR_SED_092816	Total/NA	Solid	6010C	451972
680-130356-10	9426_SED_092916	Total/NA	Solid	6010C	451972
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	6010C	451972
MB 680-451972/1-A	Method Blank	Total/NA	Solid	6010C	451972
LCS 680-451972/2-A	Lab Control Sample	Total/NA	Solid	6010C	451972
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	6010C	451972
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	6010C	451972

Prep Batch: 452469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Total/NA	Water	200	
680-130356-3	SJFP_092816	Total/NA	Water	200	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Metals (Continued)

Prep Batch: 452469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-5	SJLP_092716	Total/NA	Water	200	
680-130356-7	SJSR_092816	Total/NA	Water	200	
680-130356-11	Bakers Bridge_092916	Total/NA	Water	200	
MB 680-452469/1-A	Method Blank	Total/NA	Water	200	
LCS 680-452469/2-A	Lab Control Sample	Total/NA	Water	200	
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	200	
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	200	

Prep Batch: 452471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Total/NA	Water	200	
680-130356-3	SJFP_092816	Total/NA	Water	200	
680-130356-5	SJLP_092716	Total/NA	Water	200	
680-130356-7	SJSR_092816	Total/NA	Water	200	
680-130356-11	Bakers Bridge_092916	Total/NA	Water	200	
MB 680-452471/1-A	Method Blank	Total/NA	Water	200	
LCS 680-452471/2-A	Lab Control Sample	Total/NA	Water	200	
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	200	
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	200	

Prep Batch: 452476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	200	
680-130356-3	SJFP_092816	Dissolved	Water	200	
680-130356-5	SJLP_092716	Dissolved	Water	200	
680-130356-7	SJSR_092816	Dissolved	Water	200	
680-130356-11	Bakers Bridge_092916	Dissolved	Water	200	
MB 680-452476/1-A	Method Blank	Total/NA	Water	200	
LCS 680-452476/2-A	Lab Control Sample	Total/NA	Water	200	
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	200	
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	200	

Prep Batch: 452477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	200	
680-130356-3	SJFP_092816	Dissolved	Water	200	
680-130356-5	SJLP_092716	Dissolved	Water	200	
680-130356-7	SJSR_092816	Dissolved	Water	200	
680-130356-11	Bakers Bridge_092916	Dissolved	Water	200	
MB 680-452477/1-A	Method Blank	Total/NA	Water	200	
LCS 680-452477/2-A	Lab Control Sample	Total/NA	Water	200	
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	200	
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	200	

Analysis Batch: 452557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	6010C	451972
680-130356-12 MS	Bakers Bridge_SED_092916	Total/NA	Solid	6010C	451972
680-130356-12 MSD	Bakers Bridge_SED_092916	Total/NA	Solid	6010C	451972

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Metals (Continued)

Analysis Batch: 452629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	200.8	452476
680-130356-1	SJAR_092716	Total/NA	Water	200.8	452469
680-130356-3	SJFP_092816	Dissolved	Water	200.8	452476
680-130356-3	SJFP_092816	Total/NA	Water	200.8	452469
680-130356-5	SJLP_092716	Dissolved	Water	200.8	452476
680-130356-5	SJLP_092716	Total/NA	Water	200.8	452469
680-130356-7	SJSR_092816	Dissolved	Water	200.8	452476
680-130356-7	SJSR_092816	Total/NA	Water	200.8	452469
680-130356-11	Bakers Bridge_092916	Dissolved	Water	200.8	452476
680-130356-11	Bakers Bridge_092916	Total/NA	Water	200.8	452469
MB 680-452469/1-A	Method Blank	Total/NA	Water	200.8	452469
MB 680-452476/1-A	Method Blank	Total/NA	Water	200.8	452476
LCS 680-452469/2-A	Lab Control Sample	Total/NA	Water	200.8	452469
LCS 680-452476/2-A	Lab Control Sample	Total/NA	Water	200.8	452476
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	200.8	452476
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	200.8	452469
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	200.8	452476
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	200.8	452469

Analysis Batch: 452651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-1	SJAR_092716	Total/NA	Water	200.7 Rev 4.4	452471
680-130356-3	SJFP_092816	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-3	SJFP_092816	Total/NA	Water	200.7 Rev 4.4	452471
680-130356-5	SJLP_092716	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-5	SJLP_092716	Total/NA	Water	200.7 Rev 4.4	452471
680-130356-7	SJSR_092816	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-7	SJSR_092816	Total/NA	Water	200.7 Rev 4.4	452471
680-130356-11	Bakers Bridge_092916	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-11	Bakers Bridge_092916	Total/NA	Water	200.7 Rev 4.4	452471
MB 680-452471/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	452471
MB 680-452477/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	452477
LCS 680-452471/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	452471
LCS 680-452477/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	452477
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	200.7 Rev 4.4	452471
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	200.7 Rev 4.4	452477
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	200.7 Rev 4.4	452471

Analysis Batch: 452663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	245.1	452362
680-130356-1	SJAR_092716	Total/NA	Water	245.1	452362
680-130356-3	SJFP_092816	Dissolved	Water	245.1	452362
680-130356-3	SJFP_092816	Total/NA	Water	245.1	452362
680-130356-5	SJLP_092716	Dissolved	Water	245.1	452362
680-130356-5	SJLP_092716	Total/NA	Water	245.1	452362
680-130356-7	SJSR_092816	Dissolved	Water	245.1	452362
680-130356-7	SJSR_092816	Total/NA	Water	245.1	452362
680-130356-11	Bakers Bridge_092916	Dissolved	Water	245.1	452362

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Metals (Continued)

Analysis Batch: 452663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-11	Bakers Bridge_092916	Total/NA	Water	245.1	452362
MB 680-452362/13-A	Method Blank	Total/NA	Water	245.1	452362
LCS 680-452362/15-A	Lab Control Sample	Total/NA	Water	245.1	452362
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	245.1	452362
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	245.1	452362
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	245.1	452362
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	245.1	452362

Analysis Batch: 452669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Total/NA	Water	2340B-2011	
680-130356-3	SJFP_092816	Total/NA	Water	2340B-2011	
680-130356-5	SJLP_092716	Total/NA	Water	2340B-2011	
680-130356-7	SJSR_092816	Total/NA	Water	2340B-2011	
680-130356-11	Bakers Bridge_092916	Total/NA	Water	2340B-2011	
MB 680-452669/1	Method Blank	Total/NA	Water	2340B-2011	

Prep Batch: 452699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-9	9426_092916	Dissolved	Water	200	
MB 680-452699/1-A	Method Blank	Total/NA	Water	200	
LCS 680-452699/2-A	Lab Control Sample	Total/NA	Water	200	

Analysis Batch: 452815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	200.8	452476
680-130356-1	SJAR_092716	Total/NA	Water	200.8	452469
680-130356-3	SJFP_092816	Dissolved	Water	200.8	452476
680-130356-3	SJFP_092816	Total/NA	Water	200.8	452469
680-130356-5	SJLP_092716	Dissolved	Water	200.8	452476
680-130356-5	SJLP_092716	Total/NA	Water	200.8	452469
680-130356-7	SJSR_092816	Dissolved	Water	200.8	452476
680-130356-7	SJSR_092816	Total/NA	Water	200.8	452469
680-130356-11	Bakers Bridge_092916	Dissolved	Water	200.8	452476
680-130356-11	Bakers Bridge_092916	Total/NA	Water	200.8	452469
MB 680-452469/1-A	Method Blank	Total/NA	Water	200.8	452469
MB 680-452476/1-A	Method Blank	Total/NA	Water	200.8	452476
LCS 680-452469/2-A	Lab Control Sample	Total/NA	Water	200.8	452469
LCS 680-452476/2-A	Lab Control Sample	Total/NA	Water	200.8	452476
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	200.8	452476
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	200.8	452469
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	200.8	452476
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	200.8	452469

Analysis Batch: 453178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-9	9426_092916	Dissolved	Water	200.8	452699
MB 680-452699/1-A	Method Blank	Total/NA	Water	200.8	452699
LCS 680-452699/2-A	Lab Control Sample	Total/NA	Water	200.8	452699

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

General Chemistry

Analysis Batch: 451934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-2	SJAR_SED_092716	Total/NA	Solid	Moisture	
680-130356-4	SJFP_SED_092816	Total/NA	Solid	Moisture	
680-130356-6	SJLP_SED_092716	Total/NA	Solid	Moisture	
680-130356-8	SJSR_SED_092816	Total/NA	Solid	Moisture	
680-130356-10	9426_SED_092916	Total/NA	Solid	Moisture	
680-130356-12	Bakers Bridge_SED_092916	Total/NA	Solid	Moisture	

Analysis Batch: 451985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Total/NA	Water	2540 D-2011	
680-130356-3	SJFP_092816	Total/NA	Water	2540 D-2011	
680-130356-5	SJLP_092716	Total/NA	Water	2540 D-2011	
680-130356-7	SJSR_092816	Total/NA	Water	2540 D-2011	
MB 680-451985/1	Method Blank	Total/NA	Water	2540 D-2011	
LCS 680-451985/2	Lab Control Sample	Total/NA	Water	2540 D-2011	
LCSD 680-451985/3	Lab Control Sample Dup	Total/NA	Water	2540 D-2011	
680-130356-11 DU	Bakers Bridge_092916	Total/NA	Water	2540 D-2011	

Analysis Batch: 452056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Total/NA	Water	5310 B-2011	
680-130356-3	SJFP_092816	Total/NA	Water	5310 B-2011	
680-130356-5	SJLP_092716	Total/NA	Water	5310 B-2011	
680-130356-7	SJSR_092816	Total/NA	Water	5310 B-2011	
680-130356-11	Bakers Bridge_092916	Total/NA	Water	5310 B-2011	
MB 680-452056/2	Method Blank	Total/NA	Water	5310 B-2011	
LCS 680-452056/3	Lab Control Sample	Total/NA	Water	5310 B-2011	
LCSD 680-452056/4	Lab Control Sample Dup	Total/NA	Water	5310 B-2011	
680-130356-11 MS	Bakers Bridge_092916	Total/NA	Water	5310 B-2011	
680-130356-11 MSD	Bakers Bridge_092916	Total/NA	Water	5310 B-2011	

Analysis Batch: 452058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Dissolved	Water	5310 B-2011	
680-130356-3	SJFP_092816	Dissolved	Water	5310 B-2011	
680-130356-5	SJLP_092716	Dissolved	Water	5310 B-2011	
680-130356-7	SJSR_092816	Dissolved	Water	5310 B-2011	
680-130356-11	Bakers Bridge_092916	Dissolved	Water	5310 B-2011	
MB 680-452058/2	Method Blank	Dissolved	Water	5310 B-2011	
LCS 680-452058/3	Lab Control Sample	Dissolved	Water	5310 B-2011	
LCSD 680-452058/4	Lab Control Sample Dup	Dissolved	Water	5310 B-2011	
680-130356-11 MS	Bakers Bridge_092916	Dissolved	Water	5310 B-2011	
680-130356-11 MSD	Bakers Bridge_092916	Dissolved	Water	5310 B-2011	

Analysis Batch: 452154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-1	SJAR_092716	Total/NA	Water	2320B-2011	
680-130356-3	SJFP_092816	Total/NA	Water	2320B-2011	
680-130356-5	SJLP_092716	Total/NA	Water	2320B-2011	
680-130356-7	SJSR_092816	Total/NA	Water	2320B-2011	
MB 680-452154/7	Method Blank	Total/NA	Water	2320B-2011	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

General Chemistry (Continued)

Analysis Batch: 452154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-452154/8	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-452154/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-130356-5 DU	SJLP_092716	Total/NA	Water	2320B-2011	

Analysis Batch: 452316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-11	Bakers Bridge_092916	Total/NA	Water	2320B-2011	
MB 680-452316/7	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-452316/8	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-452316/33	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-130356-11 DU	Bakers Bridge_092916	Total/NA	Water	2320B-2011	

Analysis Batch: 452324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130356-11	Bakers Bridge_092916	Total/NA	Water	2540 D-2011	
MB 680-452324/1	Method Blank	Total/NA	Water	2540 D-2011	
LCS 680-452324/2	Lab Control Sample	Total/NA	Water	2540 D-2011	
LCSD 680-452324/3	Lab Control Sample Dup	Total/NA	Water	2540 D-2011	

Lab Chronicle

Client: Weston Solutions, Inc.
 Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJAR_092716

Lab Sample ID: 680-130356-1

Date Collected: 09/27/16 11:05

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	452477	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1			452651	10/10/16 14:57	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	200			50 mL	50 mL	452471	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1			452651	10/10/16 17:09	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452629	10/10/16 20:25	BWR	TAL SAV
Instrument ID: ICPMSC										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452815	10/11/16 14:03	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452629	10/10/16 22:27	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452815	10/11/16 15:53	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2340B-2011		1			452669	10/11/16 11:54	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Dissolved	Analysis	245.1		1			452663	10/10/16 13:55	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Total/NA	Analysis	245.1		1			452663	10/10/16 13:15	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2320B-2011		1			452154	10/03/16 16:35	JCM	TAL SAV
Instrument ID: MANTECH										
Total/NA	Analysis	2540 D-2011		1	150 mL	1000 mL	451985	10/03/16 08:22	JCM	TAL SAV
Instrument ID: NoEquip										
Dissolved	Analysis	5310 B-2011		1			452058	10/01/16 09:45	KLD	TAL SAV
Instrument ID: TOC7										
Total/NA	Analysis	5310 B-2011		1	40 mL	40 mL	452056	10/01/16 02:15	KLD	TAL SAV
Instrument ID: TOC7										

Client Sample ID: SJAR_SED_092716

Lab Sample ID: 680-130356-2

Date Collected: 09/27/16 11:05

Matrix: Solid

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			451934	10/01/16 15:50	CJP	TAL SAV
Instrument ID: NOEQUIP										

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJAR_SED_092716

Lab Sample ID: 680-130356-2

Date Collected: 09/27/16 11:05

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		1			452370	10/04/16 22:55	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	3050B			1.13 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		1			452211	10/04/16 09:03	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7471A			0.52 g	50 mL	452053	10/03/16 12:38	JKL	TAL SAV
Total/NA	Analysis	7471A		1			452279	10/04/16 13:40	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: SJFP_092816

Lab Sample ID: 680-130356-3

Date Collected: 09/28/16 10:50

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	452477	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1			452651	10/10/16 15:02	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	200			50 mL	50 mL	452471	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1			452651	10/10/16 17:13	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452629	10/10/16 20:29	BWR	TAL SAV
Instrument ID: ICPMSC										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452815	10/11/16 14:07	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452629	10/10/16 22:31	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452815	10/11/16 15:58	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2340B-2011		1			452669	10/11/16 11:54	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Dissolved	Analysis	245.1		1			452663	10/10/16 13:59	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Total/NA	Analysis	245.1		1			452663	10/10/16 13:19	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2320B-2011		1			452154	10/03/16 16:42	JCM	TAL SAV
Instrument ID: MANTECH										

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJFP_092816

Lab Sample ID: 680-130356-3

Date Collected: 09/28/16 10:50

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540 D-2011		1	180 mL	1000 mL	451985	10/03/16 08:22	JCM	TAL SAV
		Instrument ID: NoEquip								
Dissolved	Analysis	5310 B-2011		1			452058	10/01/16 09:59	KLD	TAL SAV
		Instrument ID: TOC7								
Total/NA	Analysis	5310 B-2011		1	40 mL	40 mL	452056	10/01/16 02:32	KLD	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: SJFP_SED_092816

Lab Sample ID: 680-130356-4

Date Collected: 09/28/16 10:50

Matrix: Solid

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			451934	10/01/16 15:50	CJP	TAL SAV
		Instrument ID: NOEQUIP								

Client Sample ID: SJFP_SED_092816

Lab Sample ID: 680-130356-4

Date Collected: 09/28/16 10:50

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 66.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		1			452370	10/04/16 23:00	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	3050B			1.15 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		1			452211	10/04/16 09:09	BWR	TAL SAV
		Instrument ID: ICPMSC								
Total/NA	Prep	7471A			0.57 g	50 mL	452053	10/03/16 12:38	JKL	TAL SAV
Total/NA	Analysis	7471A		1			452279	10/04/16 13:45	JKL	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: SJLP_092716

Lab Sample ID: 680-130356-5

Date Collected: 09/27/16 15:45

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	452477	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1			452651	10/10/16 15:07	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	200			50 mL	50 mL	452471	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1			452651	10/10/16 17:17	BCB	TAL SAV
		Instrument ID: ICPE								
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJLP_092716

Lab Sample ID: 680-130356-5

Date Collected: 09/27/16 15:45

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	200.8		1			452629	10/10/16 20:33	BWR	TAL SAV
Instrument ID: ICPMSC										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452815	10/11/16 14:10	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452629	10/10/16 22:35	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452815	10/11/16 16:01	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2340B-2011		1			452669	10/11/16 11:54	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Dissolved	Analysis	245.1		1			452663	10/10/16 14:04	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Total/NA	Analysis	245.1		1			452663	10/10/16 13:24	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2320B-2011		1			452154	10/03/16 16:49	JCM	TAL SAV
Instrument ID: MANTECH										
Total/NA	Analysis	2540 D-2011		1	140 mL	1000 mL	451985	10/03/16 08:22	JCM	TAL SAV
Instrument ID: NoEquip										
Dissolved	Analysis	5310 B-2011		1			452058	10/01/16 10:16	KLD	TAL SAV
Instrument ID: TOC7										
Total/NA	Analysis	5310 B-2011		1	40 mL	40 mL	452056	10/01/16 02:45	KLD	TAL SAV
Instrument ID: TOC7										

Client Sample ID: SJLP_SED_092716

Lab Sample ID: 680-130356-6

Date Collected: 09/27/16 15:45

Matrix: Solid

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			451934	10/01/16 15:50	CJP	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: SJLP_SED_092716

Lab Sample ID: 680-130356-6

Date Collected: 09/27/16 15:45

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		1			452370	10/04/16 22:39	BCB	TAL SAV
Instrument ID: ICPE										

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		1			452211	10/04/16 08:37	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7471A			0.55 g	50 mL	452053	10/03/16 12:38	JKL	TAL SAV
Total/NA	Analysis	7471A		1			452279	10/04/16 13:49	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: SJSR_092816

Lab Sample ID: 680-130356-7

Date Collected: 09/28/16 14:15

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	452477	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1			452651	10/10/16 15:12	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	200			50 mL	50 mL	452471	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1			452651	10/10/16 17:22	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452629	10/10/16 20:37	BWR	TAL SAV
Instrument ID: ICPMSC										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452815	10/11/16 14:14	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452629	10/10/16 22:39	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452815	10/11/16 16:05	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2340B-2011		1			452669	10/11/16 11:54	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Dissolved	Analysis	245.1		1			452663	10/10/16 14:08	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Total/NA	Analysis	245.1		1			452663	10/10/16 13:28	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2320B-2011		1			452154	10/03/16 17:07	JCM	TAL SAV
Instrument ID: MANTECH										
Total/NA	Analysis	2540 D-2011		1	250 mL	1000 mL	451985	10/03/16 08:22	JCM	TAL SAV
Instrument ID: NoEquip										
Dissolved	Analysis	5310 B-2011		1			452058	10/01/16 10:32	KLD	TAL SAV
Instrument ID: TOC7										
Total/NA	Analysis	5310 B-2011		1	40 mL	40 mL	452056	10/01/16 03:01	KLD	TAL SAV
Instrument ID: TOC7										

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: SJSR_SED_092816

Lab Sample ID: 680-130356-8

Date Collected: 09/28/16 14:15

Matrix: Solid

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			451934	10/01/16 15:50	CJP	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: SJSR_SED_092816

Lab Sample ID: 680-130356-8

Date Collected: 09/28/16 14:15

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		1			452370	10/04/16 22:44	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	3050B			1.18 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		1			452211	10/04/16 08:42	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7471A			0.57 g	50 mL	452053	10/03/16 12:38	JKL	TAL SAV
Total/NA	Analysis	7471A		1			452279	10/04/16 13:54	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: 9426_092916

Lab Sample ID: 680-130356-9

Date Collected: 09/29/16 13:25

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	452699	10/11/16 13:38	AJR	TAL SAV
Dissolved	Analysis	200.8		1			453178	10/13/16 16:29	BJB	TAL SAV
Instrument ID: ICPMSC										

Client Sample ID: 9426_SED_092916

Lab Sample ID: 680-130356-10

Date Collected: 09/29/16 13:25

Matrix: Solid

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			451934	10/01/16 15:50	CJP	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: 9426_SED_092916

Lab Sample ID: 680-130356-10

Date Collected: 09/29/16 13:25

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		1			452370	10/04/16 22:50	BCB	TAL SAV
Instrument ID: ICPE										

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: 9426_SED_092916

Lab Sample ID: 680-130356-10

Date Collected: 09/29/16 13:25

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		1			452211	10/04/16 08:47	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7471A			0.60 g	50 mL	452053	10/03/16 12:38	JKL	TAL SAV
Total/NA	Analysis	7471A		1			452279	10/04/16 13:58	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: Bakers Bridge_092916

Lab Sample ID: 680-130356-11

Date Collected: 09/29/16 08:15

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200			50 mL	50 mL	452477	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1			452651	10/10/16 15:18	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	200			50 mL	50 mL	452471	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1			452651	10/10/16 17:26	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452629	10/10/16 20:41	BWR	TAL SAV
Instrument ID: ICPMSC										
Dissolved	Prep	200			50 mL	50 mL	452476	10/05/16 16:11	AJR	TAL SAV
Dissolved	Analysis	200.8		1			452815	10/11/16 14:18	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452629	10/10/16 22:42	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	200			50 mL	50 mL	452469	10/05/16 16:11	AJR	TAL SAV
Total/NA	Analysis	200.8		1			452815	10/11/16 16:09	BJB	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2340B-2011		1			452669	10/11/16 11:54	BCB	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Dissolved	Analysis	245.1		1			452663	10/10/16 14:13	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Prep	245.1			50 mL	50 mL	452362	10/05/16 10:02	JKL	TAL SAV
Total/NA	Analysis	245.1		1			452663	10/10/16 13:32	BCB	TAL SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2320B-2011		1			452316	10/04/16 18:11	JCM	TAL SAV
Instrument ID: MANTECH										
Total/NA	Analysis	2540 D-2011		1	1000 mL	1000 mL	452324	10/05/16 09:26	JCM	TAL SAV
Instrument ID: NoEquip										
Dissolved	Analysis	5310 B-2011		1			452058	10/01/16 09:03	KLD	TAL SAV
Instrument ID: TOC7										

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Client Sample ID: Bakers Bridge_092916

Lab Sample ID: 680-130356-11

Date Collected: 09/29/16 08:15

Matrix: Water

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	5310 B-2011		1	40 mL	40 mL	452056	10/01/16 01:32	KLD	TAL SAV
Instrument ID: TOC7										

Client Sample ID: Bakers Bridge_SED_092916

Lab Sample ID: 680-130356-12

Date Collected: 09/29/16 08:15

Matrix: Solid

Date Received: 09/30/16 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			451934	10/01/16 15:50	CJP	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: Bakers Bridge_SED_092916

Lab Sample ID: 680-130356-12

Date Collected: 09/29/16 08:15

Matrix: Solid

Date Received: 09/30/16 09:01

Percent Solids: 64.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		1			452370	10/04/16 22:03	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	3050B			1.18 g	100 mL	451972	10/03/16 07:15	CDD	TAL SAV
Total/NA	Analysis	6010C		10			452557	10/05/16 15:58	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	3050B			1.18 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		1			452211	10/04/16 08:11	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	3050B			1.18 g	500 mL	452043	10/03/16 11:40	CDD	TAL SAV
Total/NA	Analysis	6020A		10			452211	10/04/16 10:12	BWR	TAL SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7471A			0.53 g	50 mL	452053	10/03/16 12:38	JKL	TAL SAV
Total/NA	Analysis	7471A		1			452279	10/04/16 14:03	JKL	TAL SAV
Instrument ID: LEEMAN2										

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

USEPA

Date Shipped: 9/29/2016

Carrier Name: FedEx

Gold King Mine Long Term Monitoring

Site #: N/A

Contact Name: Jeff Bryniarski

Contact Phone: 708-284-2490

No: 8-092916-124025-0018

Lab: Test America - Savannah

Lab Phone: 912-354-7858

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	SJAR_092716	Dissolved Metals	Surface Water	9/27/2016	11:05	1	250 mL Poly	HNO3 pH<2	N
	SJAR_092716	DOC	Surface Water	9/27/2016	11:05	3	40 mL Amber	H2SO4 pH<2	N
	SJAR_092716	Dissolved Aluminum	Surface Water	9/27/2016	11:05	1	250 mL Poly	HNO3 pH<2	N
	SJAR_092716	Total Metals+Hardness	Surface Water	9/27/2016	11:05	1	250 mL Poly	HNO3 pH<2	N
	SJAR_092716	TOC	Surface Water	9/27/2016	11:05	3	40 mL Amber	H2SO4 pH<2	N
	SJAR_092716	TSS	Surface Water	9/27/2016	11:05	1	1 L Poly	None	N
	SJAR_092716	Alkalinity	Surface Water	9/27/2016	11:05	1	250 mL	None	N
	SJAR_SED_092716	Metals	Sediment	9/27/2016	11:05	1	4 oz glass	None	N
	SJFP_092816	Dissolved Metals	Surface Water	9/28/2016	10:50	1	250 mL Poly	HNO3 pH<2	N
	SJFP_092816	DOC	Surface Water	9/28/2016	10:50	3	40 mL Amber	H2SO4 pH<2	N
	SJFP_092816	Dissolved Aluminum	Surface Water	9/28/2016	10:50	1	250 mL Poly	HNO3 pH<2	N
	SJFP_092816	Total Metals+Hardness	Surface Water	9/28/2016	10:50	1	250 mL Poly	HNO3 pH<2	N
	SJFP_092816	TOC	Surface Water	9/28/2016	10:50	3	40 mL Amber	H2SO4 pH<2	N
	SJFP_092816	TSS	Surface Water	9/28/2016	10:50	1	1 L Poly	None	N
	SJFP_092816	Alkalinity	Surface Water	9/28/2016	10:50	1	250 mL	None	N
	SJFP_SED_092816	Metals	Sediment	9/28/2016	10:50	1	4 oz glass	None	N
	SJLP_092716	Dissolved Metals	Surface Water	9/27/2016	15:45	1	250 mL Poly	HNO3 pH<2	N
	SJLP_092716	DOC	Surface Water	9/27/2016	15:45	3	40 mL Amber	H2SO4 pH<2	N

Special Instructions: Please send all results to jeff.bryniarski@westonsolutions.com. 10 day turnaround time.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY # 680-130356

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
STARTING	<i>[Signature]</i>	9/29/16 16:00	<i>m. W. Dwyer</i>	9/30/16 09:01	3.8/3.7 3.9/3.8 5.8/5.7



680-130356 Chain of Custody

USEPA

Date Shipped: 9/29/2016
 Carrier Name: FedEx

Gold King Mine Long Term Monitoring
 Site #: N/A
 Contact Name: Jeff Bryniarski
 Contact Phone: 708-284-2490

No: 8-092916-124025-0018
 Lab: Test America - Savannah
 Lab Phone: 912-354-7858

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	SJLP_092716	Dissolved Aluminum	Surface Water	9/27/2016	15:45	1	250 mL Poly	HNO3 pH<2	N
	SJLP_092716	Total Metals+Hardness	Surface Water	9/27/2016	15:45	1	250 mL Poly	HNO3 pH<2	N
	SJLP_092716	TOC	Surface Water	9/27/2016	15:45	3	40 mL Amber	H2SO4 pH<2	N
	SJLP_092716	TSS	Surface Water	9/27/2016	15:45	1	1 L Poly	None	N
	SJLP_092716	Alkalinity	Surface Water	9/27/2016	15:45	1	250 mL	None	N
	SJLP_SED_092716	Metals	Sediment	9/27/2016	15:45	1	4 oz glass	None	N
	SJLP_092816	Dissolved Metals	Surface Water	9/28/2016	14:15	1	250 mL Poly	HNO3 pH<2	N
	SJSR_092816	DOC	Surface Water	9/28/2016	14:15	3	40 mL Amber	H2SO4 pH<2	N
	SJSR_092816	Dissolved Aluminum	Surface Water	9/28/2016	14:15	1	250 mL Poly	HNO3 pH<2	N
	SJSR_092816	Total Metals+Hardness	Surface Water	9/28/2016	14:15	1	250 mL Poly	HNO3 pH<2	N
	SJSR_092816	TOC	Surface Water	9/28/2016	14:15	3	40 mL Amber	H2SO4 pH<2	N
	SJSR_092816	TSS	Surface Water	9/28/2016	14:15	1	1 L Poly	None	N
	SJSR_092816	Alkalinity	Surface Water	9/28/2016	14:15	1	250 mL	None	N
	SJSR_SED_092816	Metals	Sediment	9/28/2016	14:15	1	4 oz glass	None	N

Special Instructions: Please send all results to jeff.bryniarski@westonsolutions.com. 10 day turnaround time.

SAMPLES TRANSFERRED FROM
 CHAIN OF CUSTODY # 680-130356

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Surrounding	<i>Jeff Bryniarski</i>	9/29/16 16:00	<i>m. l. bryniarski</i>	9/30/16 09:01	3.8/3.7 3.9/3.8 5.8/5.7



USEPA

Date Shipped: 9/29/2016

Carrier Name: FedEx

Gold King Mine Long Term Monitoring

Site #: N/A

Contact Name: Jeff Bryniarski

Contact Phone: 708-284-2490

No: 8-092916-143935-0014

Lab: Test America - Savannah

Lab Phone: 912-354-7868

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	9426_092916	Dissolved Metals	Surface Water	9/29/2016	13:25	1	250 mL Poly	HNO3 pH<2	N
	9426_092916	DOC	Surface Water	9/29/2016	13:25	3	40 mL Amber	H2SO4 pH<2	N
	9426_092916	Total Metals+Hardness	Surface Water	9/29/2016	13:25	1	250 mL Poly	HNO3 pH<2	N
	9426_092916	TOC	Surface Water	9/29/2016	13:25	3	40 mL Amber	H2SO4 pH<2	N
	9426_092916	TSS	Surface Water	9/29/2016	13:25	1	1 L Poly	None	N
	9426_092916	Alkalinity	Surface Water	9/29/2016	13:25	1	250 mL	None	N
	9426_SED_092916	Metals	Sediment	9/29/2016	13:25	1	4 oz glass	None	N
	Bakers Bridge_092916	Dissolved Metals	Surface Water	9/29/2016	08:15	3	250 mL Poly	HNO3 pH<2	Y
	Bakers Bridge_092916	DOC	Surface Water	9/29/2016	08:15	9	40 mL Amber	H2SO4 pH<2	Y
	Bakers Bridge_092916	Total Metals+Hardness	Surface Water	9/29/2016	08:15	3	250 mL Poly	HNO3 pH<2	Y
	Bakers Bridge_092916	TOC	Surface Water	9/29/2016	08:15	9	40 mL Amber	H2SO4 pH<2	Y
	Bakers Bridge_092916	TSS	Surface Water	9/29/2016	08:15	3	1 L Poly	None	Y
	Bakers Bridge_092916	Alkalinity	Surface Water	9/29/2016	08:15	3	250 mL	None	Y
	Bakers Bridge_SED_092916	Metals	Sediment	9/29/2016	08:15	3	4 oz glass	None	Y

Special Instructions: Please send all results to jeff.bryniarski@westonsolutions.com. 10 day turnaround time.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY # 686-130356

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shipping	<i>Jeff Bryniarski</i>	9/29/16 15:30	<i>m. h. h. h. h. h.</i>	9/30/16 09:01	3.8/3.7 3.9/3.8 5.8/5.7



Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-130356-1

Login Number: 130356

List Source: TestAmerica Savannah

List Number: 1

Creator: Kicklighter, Marilyn D

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Certification Summary

Client: Weston Solutions, Inc.
Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130356-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-16

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